HISTORY INFORMATION FOR THE FOLLOWING MANUAL:

SERVICE MANUAL

BA-5D chassis

MODEL NAME	REMOTE COMMANDER	<u>DESTINATION</u>	CHASSIS NO.
KV-27FV300	RM-Y181	US	SCC-S65AA
KV-27FV300	RM-Y181	CND	SCC-S64AA
KV-29FV300	RM-Y181	LATIN NORTH	SCC-S62BA
KV-29FV300	RM-Y181	LATIN SOUTH	SCC-S62CA
KV-32FV300	RM-Y182	US	SCC-S65BA
KV-32FV300	RM-Y182	CND	SCC-S64BA
KV-36FV300	RM-Y182	US	SCC-S65CA
KV-36FV300	RM-Y182	CND	SCC-S64CA
KV-36FV300	RM-Y182	HAWAII	SCC-S67AA

ORIGINAL MANUAL ISSUE DATE: 3/2002



REVISION DATE	REVISION TYPE	SUBJECT
3/2002	No revisions or updates	s are applicable at this time.
5/2002	Correction - 1	Critical parts incorrectly indentified in Exploded View, Electrical Parts List, A Board Schematic. (Replace pgs. 31, 55,57,59, & 70)
10/2002	Correction - 2	Exploded View PN correction for Door (Replace pgs. 56, 58, & 60)
12/2004	Updated A Board Sche (Replace pg. 31)	matic to include CN903 and CN905 Connectors for headphones.





SERVICE MANUAL

BA-5D CHASSIS

MODEL NAME	REMOTE COMMANDER	DESTINATION	CHASSIS NO.
KV-27FV300	RM-Y181	US	SCC-S65AA
KV-27FV300	RM-Y181	CND	SCC-S64AA
KV-29FV300	RM-Y181	LATIN NORTH	SCC-S62BA
KV-29FV300	RM-Y181	LATIN SOUTH	SCC-S62CA
KV-32FV300	RM-Y182	US	SCC-S65BA
KV-32FV300	RM-Y182	CND	SCC-S64BA
KV-36FV300	RM-Y182	US	SCC-S65CA
KV-36FV300	RM-Y182	CND	SCC-S64CA
KV-36FV300	RM-Y182	HAWAII	SCC-S67AA





TRINITRON® COLOR TELEVISION



TABLE OF CONTENTS

SECTION TITLE	PAGE
Specifications	4
Warnings and Cautions	
Safety Check-Out	
Self-Diagnostic Function	
1. Disassembly	
1-1. Rear Cover Removal	
1-2. Chassis Assembly Removal	
1-3. Service Position	_
1-4. Picture Tube Removal	
Anode Cap Removal Procedure	11
2. Set-up Adjustments	
2-1. Beam Landing	
2-2. Convergence	
2-3. Focus	
2-4. Screen (G2)	
2-5. White Balance Adjustments	15
3. Safety Related Adjustments	
3-1. ■ R530, R531 Confirmation Method (Hold-Down Confirmation) and Readjustments	
4. Circuit Adjustments	
4-1. Setting Service Adjustment Mode	17
4-2. Memory Write Confirmation Method	
4-3. Remote Adjustment Buttons and Indicators	
4-4. Service Data Lists	18
4-5. ID Map Table	
4-6. Board Adjustments	26
5. Diagrams	
5-1. Circuit Board Location	
5-2. Printed Wiring Board and Schematic Diagrams Information	
5-3. Block Diagram and Schematics	
A Board Schematic Diagram	
BC Board Schematic Diagram	
HU Board Schematic DiagramP Board Schematic Diagram	
HR Board Schematic Diagram	
T Board Schematic Diagram	
C Board Schematic Diagram	
V Board Schematic Diagram	
GK Board Schematic Diagram	
5-4. Semiconductors	
6. Exploded Views	
6-1. Chassis (KV-27FV300/29FV300 ONLY)	55
6-2. Picture Tube (KV-27FV300/29FV300 ONLY)	
6-3. Chassis (KV-32FV300 ONLY)	
6-4. Picture Tube (KV-32FV300 ONLY)	58
6-5. Chassis (KV-36FV300 ONLY)	
6-6. Picture Tube (KV-36FV300 ONLY)	
7. Electrical Parts List	61

SPECIFICATIONS

	KV-27FV300							
		10/ 005/000	101 00511000					
	KV-29FV300	KV-32FV300	KV-36FV300					
Power Requirements		120V, 60Hz						
Number of Inputs/Outputs								
Video ¹⁾		3						
S Video ²⁾		2						
$Y, P_B, P_R^{(3)}$		1						
Audio 4)		3						
Audio Out ⁵⁾		1						
Monitor Out		1						
		7.5 W x 2,						
Speaker Output (W)		15 Wsubwoofer						
Power Consumption (W)								
In Use (Max)	220 W	230 W	230 W					
In Standby	1W	1W	1W					
Dimensions (W x H x D)								
mm	784 x 601.5 x 520 mm	898 x 682 x 584 mm	1020 x 760 x 640 mm					
in	$30^{7/8} \times 23^{11/16} \times 20^{1/2}$ in $35^{3/8} \times 26^{7/8} \times 23$ in $40^{1/4} \times 30 \times 25^{1/4}$ in							
Mass								
kg	48 kg	78 kg	102 kg					
lbs	105 lbs. 13 oz.	171 lbs. 15 oz.	224 lbs. 14 oz.					

Television system

American TV standard, NTSC

Channel coverage

VHF: 2-13/ UHF: 14-69/ CATV: 1-125

Picture tube

FD Trinitron® tube

Visible screen size

27 inch picture measured diagonally (KV-27FV300/29FV300)

32 inch picture measured diagonally (KV-32FV300)

36 inch picture measured diagonally (KV-36FV300)

Actual screen size

29 inch measured diagonally (KV-27FV300/29FV300)

34 inch measured diagonally (KV-32FV300)

38 inch measured diagonally (KV-36FV300)

Antenna

75-ohm external antenna terminal for VHF/UHF

Supplied Accessories

Size AA (R6) batteries (2)

Remote Control RM-Y181 (1) (KV-27FV300/29FV300)

Remote Control RM-Y182 (1) (KV-32FV300/36FV300)

Wireless Headphones (1) (KV-32FV300/36FV300)

Optional Accessories

TV Stand: SU-27HV2 for (KV-27KV300/29FV300)

SU-32HV3 for (KV-32KV300) SU-36HV3 for (KV-36KV300)

Design and specifications are subject to change without notice.

- 1) 1 Vp-p 75 ohms unbalanced, sync negative
- 2) Y: 1 Vp-p 75 ohms unbalanced, sync negative
- C: 0.286 Vp-p (Burst signal), 75 ohms
 3) Y: 1.0 Vp-p, 75 ohms, sync negative;

PB: 0.7 Vp-p, 75 ohms

- PR: Vp-p, 75 ohms
- 4) 500 mVrms (100% modulation), Impedance: 47 kilohms
- More than 408 mVrms at the maximum volume setting (variable)
 More than 408 mVrms (fix)



TruSurround is a trademark of SRS Labs, Inc. SRS and the SRS symbol are registered trademarks of SRS Labs, Inc. in the United States and in select foreign countries. SRS and TruSurround are

incorporated under license from SRS Labs, Inc. and are protected under United States Patent Nos. 4,748,669 and 4,841,572 with numerous additional issued and pending foreign patents. Purchase of this product does not convey the right to sell recordings made with the TruSurround technology.

() SRS (SOUND RETRIEVAL SYSTEM)

The (●) SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. Other U.S. and foreign patents pending.

The word 'SRS' and the SRS symbol (●) are registered trademarks of SRS Labs, Inc. BBE and BBE symbol are trademarks of BBE Sound, Inc. and are licensed by BBE Sound, Inc. under U.S. Patent No. 4,638,258 and 4,482,866.

WARNINGS AND CAUTIONS

CAUTION

Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield, or carbon painted on the CRT, after removing the anode.

WARNING!!

An isolation transformer should be used during any service to avoid possible shock hazard, because of live chassis. The chassis of this receiver is directly connected to the ac power line.



Components identified by shading and \triangle mark on the schematic diagrams, exploded views, and in the parts list are critical for safe operation. Replace these components with Sony parts whose part numbers appear as shown in this manual or in supplements published by Sony. Circuit adjustments that are critical for safe operation are identified in this manual. Follow these procedures whenever critical components are replaced or improper operation is suspected.

ATTENTION!!

Apres avoir deconnecte le cap de l'anode, court-circuiter l'anode du tube cathodique et celui de l'anode du cap au chassis metallique de l'appareil, ou la couche de carbone peinte sur le tube cathodique ou au blindage du tube cathodique.

Afin d'eviter tout risque d'electrocution provenant d'un chássis sous tension, un transformateur d'isolement doit etre utilisé lors de tout dépannage. Le chássis de ce récepteur est directement raccordé à l'alimentation du secteur.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

Les composants identifies par une trame et par une marque \triangle sur les schemas de principe, les vues explosees et les listes de pieces sont d'une importance critique pour la securite du fonctionnement. Ne les remplacer que par des composants Sony dont le numero de piece est indique dans le present manuel ou dans des supplements publies par Sony. Les reglages de circuit dont l'importance est critique pour la securite du fonctionnement sont identifies dans le present manuel. Suivre ces procedures lors de chaque remplacement de composants critiques, ou lorsqu'un mauvais fonctionnement suspecte.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

- Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
- 2. Check the interboard wiring to ensure that no wires are "pinched" or touching high-wattage resistors.
- Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
- Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
- Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
- Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
- Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
- 8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

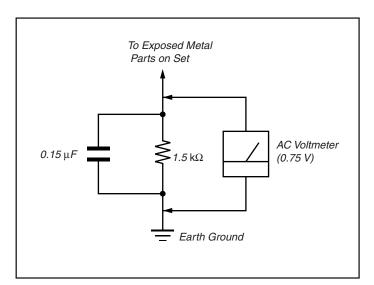


Figure A. Using an AC voltmeter to check AC leakage.

Leakage Test

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
- A battery-operated AC milliampmeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63TRD are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).

How to Find a Good Earth Ground

A cold-water pipe is a guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms.

If a cold-water pipe is not accessible, connect a 60- to 100-watt trouble-light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

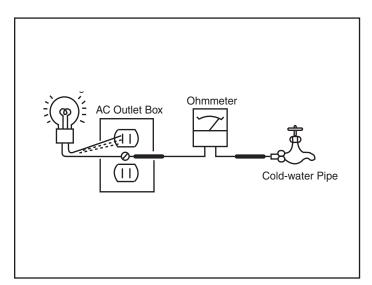


Figure B. Checking for earth ground.

SELF-DIAGNOSTIC FUNCTION



The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER LED will automatically begin to flash. The number of times the LED flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER LED flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the Remote Commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

Diagnostic Test Indicators

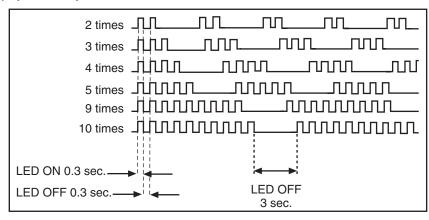
When an error occurs, the STANDBY/TIMER LED will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the LED will identify the first of the problem areas.

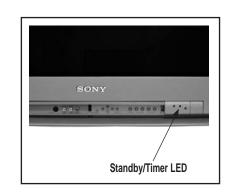
Results for all of the following diagnostic items are displayed on screen. If the screen displays a "0", an error has occurred.

Diagnostic Item	No. of times STANDBY / TIMER lamp flashes	Probable Cause Location	Detected Symptoms				
Power does not turn on	Does not light	Power cord is not plugged in.Fuse is burned out (F601). (GK Board)	Power does not come on.No power is supplied to the TV.AC Power supply is faulty.				
+B overcurrent (OCP)*	2 times	H.OUT (Q502) is shorted. (A Board) IC702 is shorted. (C Board)	Power does not come on. Load on power line shorted.				
+B overvoltage (OVP)	3 times	IC501 is faulty. (A Board) If a high is supplied to pin 2 of IC501. (A Board)	Has entered standby mode.				
I-Prot	4 times	+ 12V is not supplied. (A Board) IC561 is faulty. (A Board)	 Has entered standby state after horizontal raster. Vertical deflection pulse is stopped. Power line is shorted or power supply is stopped. 				
IK (AKB)	5 times	 Video OUT (IC561) is faulty. (A Board) IC702 is faulty. (C Board) Screen (G2) is improperly adjusted. ** 	No raster is generated. CRT Cathode current detection reference pulse output is small.				
Zero Cross	9 times	No zero cross pulses on pin 45 IC1001. (A Board)	Power does not come on.				
9V Check	10 times	Relay failed (RY600)	Power does not come on.				

^{*} If a +B overcurrent is detected, stoppage of the vertical deflection is detected simultaneously. The symptom that is diagnosed first by the microcontroller is displayed on the screen.

Display of Standby/Timer LED Flash Count





Diagnostic Item	Flash Count
+B Overcurrent	2 times
+B Overvoltage	3 times
V-STOP	4 times
IK (AKB)	5 times
Zero Cross	9 times
9V	10 times

^{*}One flash count is not used for self-diagnostic.

^{**} Refer to Screen (G2) Adjustments in Section 2-4 of this manual

Stopping the Standby/Timer LED Flash

Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER LAMP from flashing.

Self-Diagnostic Screen Display

For errors with symptoms such as "power sometimes shuts off" or "screen sometimes goes out" that cannot be confirmed, it is possible to bring up past occurrences of failure on the screen for confirmation.

To Bring Up Screen Test

In standby mode, press buttons on the Remote Commander sequentially, in rapid succession, as shown below:

DISPLAY → Channel 5 → Sound volume - → Power ON.

SEL	F DIAGNOSIS			
2:	+B OCP	0		
3:	+B OVP	0		
4:	VSTOP	0		
5:	AKB	1		
9:	ZCD	0		
10:	9VON	0		
101	101: WDT			
Se	rial: xxxxxxx			
Мо	del: xxxxxxx			

Numeral "0" means that no fault was detected.

Numeral "1" means a fault was detected one time only.

Handling of Self-Diagnostic Screen Display

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the result display to "0".

Unless the result display is cleared to "0", the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

Clearing the Result Display

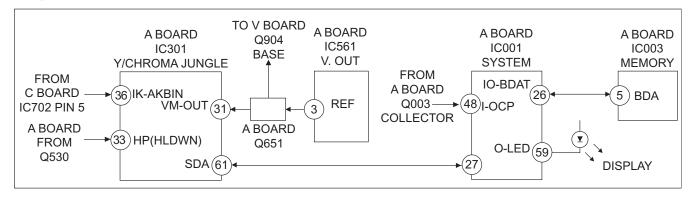
To clear the result display to "0", press buttons on the Remote Commander sequentially when the diagnostic screen is displayed, as shown below:

Channel 8 → ENTER

Quitting the Self-Diagnostic Screen

To guit the entire self-diagnostic screen, turn off the power switch on the Remote Commander or the main unit.

Self-Diagnostic Circuit



+B overcurrent (OCP)

Occurs when an overcurrent on the +B (135V) line is detected by pin 48 of IC001 (A Board). If the voltage of pin 48 of IC001 (A Board) is less than 1V when V.SYNC is more than seven verticals in a period, the unit will automatically turn off.

+B overvoltage (OVP)

Occurs when a high is felt onpin 2 of IC501 (A Board).

I-PROT

Occurs when an absence of the vertical deflection pulse is detected by pin 31 of IC301 (A Board). Power supply will shut down when waveform interval exceeds 2 seconds.

IK (AKB)

If the RGB levels* do not balance within 2 seconds after the power is turned on, this error will be detected by IC301 (A Board). TV will stay on, but there will be no picture.

*(Refers to the RGB levels of the AKB detection Ref pulse that detects 1K).

Zero Cross

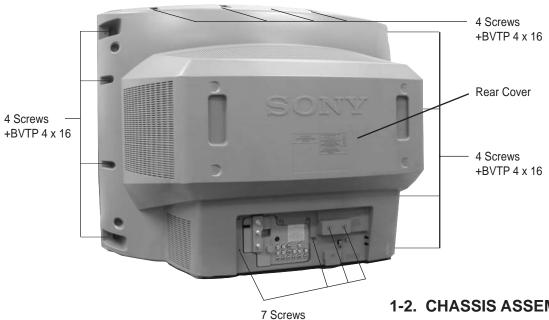
Check Q691 collector (GK Board) 7.5V STBY goes to 0V when the set is turned on.

9V Check

Check Q691 collector (GK Board) 7.5V STBY goes to 0V when the set is turned on.

SECTION 1: DISASSEMBLY

1-1. REAR COVER REMOVAL



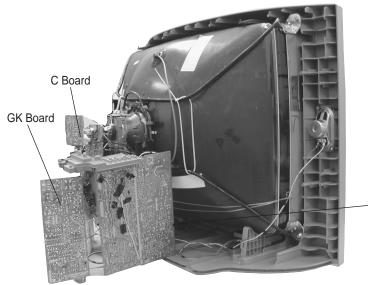
+BVTP 4 x 16

1-2. CHASSIS ASSEMBLY REMOVAL



Chassis Assembly

1-3. SERVICE POSITION



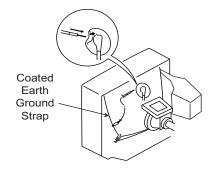
A Board

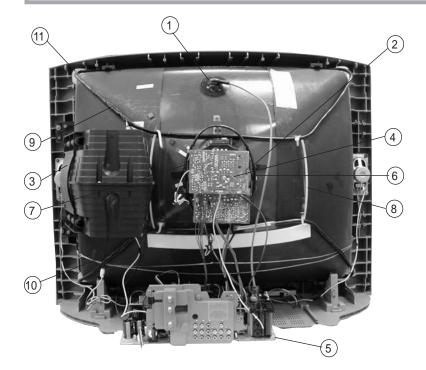
Claw

1-4. PICTURE TUBE REMOVAL

WARNING: BEFORE REMOVING THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT before attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.





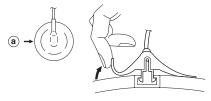
- 1. Discharge the anode of the CRT and remove the anode cap.
- 2. Unplug all interconnecting leads from the deflection yoke, neck assembly, degaussing coils and CRT grounding strap.
- 3. Remove the Sub-Woofer Assemblies.
- 4. Remove the C Board from the CRT.
- 5. Remove the chassis assembly.
- 6. Loosen the neck assembly fixing screw and remove.
- 7. Loosen the deflection yoke fixing screw and remove.
- 8. Place the set with the CRT face down on a cushion and remove the degaussing coil holders.
- 9. Remove the degaussing coils.
- 10. Remove the CRT grounding strap and spring tension devices.
- 11. Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT [Take care not to handle the CRT by the neck].

ANODE CAP REMOVAL PROCEDURE

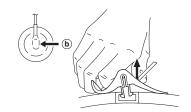
WARNING: High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT before attempting to remove the anode cap. After removing the anode cap, short circuit to either the metal chassis, CRT shield, or carbon painted on the CRT.

NOTE: After removing the anode cap, short circuit the anode of the picture tube and the anode cap to either the metal chassis, CRT shield or carbon painted on the CRT.

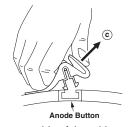
REMOVAL PROCEDURES



Turn up one side of the rubber cap in the direction indicated by arrow a .



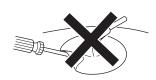
Use your thumb to pull the rubber cap firmly in the direction indicated by arrow b.



When one side of the rubber cap separates from the anode button, the anode cap can be removed by turning the rubber cap and pulling it in the direction of arrow c.

HOW TO HANDLE AN ANODE CAP

- Do not use sharp objects which may cause damage to the surface of the anode cap.
- To avoid damaging the anode cap, do not squeeze the rubber covering too hard.A material fitting called a shatter-hook terminal is built into the rubber.
- Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.





SECTION 2: SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed.

These adjustments should be performed with rated power supply voltage unless otherwise noted.

The controls and switch should be set as follows unless otherwise noted:

PICTURE CONTROL: normal BRIGHTNESS CONTROL: normal

Perform the adjustments in order as follows:

- 1. Beam Landing
- 2. Convergence
- 3. Focus
- 4. Screen (G2)/White Balance

Test Equipment Required:

- 1. Color Bar Pattern Generator
- 2. Degausser
- 3. DC Power Supply
- 4. Digital Multimeter
- 5. Oscilloscope
- CRT Analyzer

2-1. BEAM LANDING

Preparation:

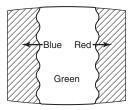
- · Input a white pattern signal.
- Face the picture tube in an East or West direction to reduce the influence of geomagnetism.

NOTE: Do not use the hand degausser; it magnetizes the CRT.

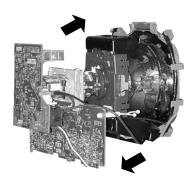
- 1. Input white pattern from pattern generator.
- Loosen the deflection yoke mounting screw, and set the purity control to the center as shown below:



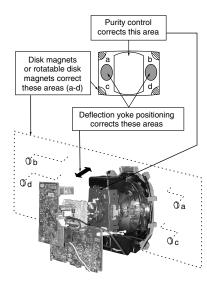
- 3. Input green pattern from pattern generator.
- Move the deflection yoke backward, and adjust with the purity control so that green is in the center and red and blue are even on both sides.



5. Move the deflection yoke forward, and adjust so that the entire screen becomes green.



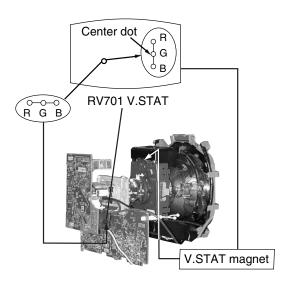
- Switch over the raster signal to red and blue and confirm the condition.
- 7. When the position of the deflection yoke is determined, tighten it with the deflection yoke mounting screw.
- 8. When landing at the corner is not right, adjust by using the disk magnets.



2-2. CONVERGENCE

Preparation:

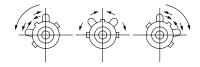
- · Perform FOCUS, V. LIN and V. SIZE adjustments.
- · Set BRIGHTNESS control to minimum.
- · Input dot pattern.



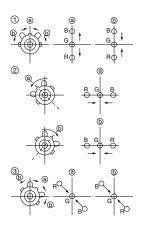
VERTICAL AND HORIZONTAL STATIC CONVERGENCE

 Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen (Vertical movement).

Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



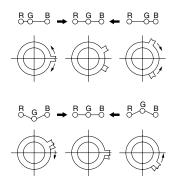
2. When the V. STAT magnet is moved in the direction of arrow a and b, red, green, and blue dots move as shown below:



OPERATION OF BMC (HEXAPOLE) MAGNET

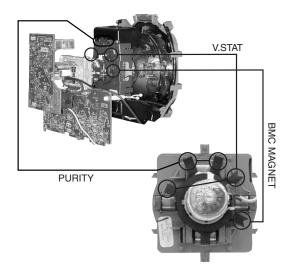
The respective dot positions resulting from moving each magnet interact, so perform adjustment while tracking.

1 Use the V.STAT tabs to adjust the red, green, and blue dots so they line up at the center of the screen (move the dots in a horizontal direction).



Y SEPARATION AXIS CORRECTION MAGNET ADJUSTMENT

- 1. Input cross-hatch pattern, adjust PICTURE to minimum and BRIGHTNESS to normal.
- 2. Adjust the deflection yoke upright so it touches the CRT.
- 3. Adjust so that the Y separation axis correction magnet on the neck assembly is symmetrical from top to bottom (open state).

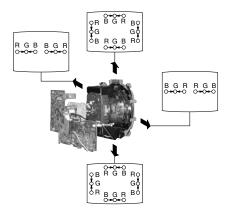


4. Return the deflection yoke to its original position.

DYNAMIC CONVERGENCE ADJUSTMENT

Before starting, perform Vertical and Horizontal Static Convergence Adjustment.

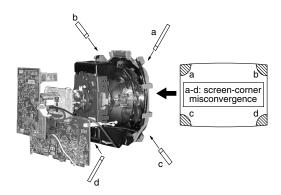
- 1. Slightly loosen deflection yoke screw.
- 2. Remove deflection yoke spacers.
- Move the deflection yoke for best convergence as shown below:



- 4. Tighten the deflection yoke screw.
- 5. Install the deflection yoke spacers.

SCREEN-CORNER CONVERGENCE

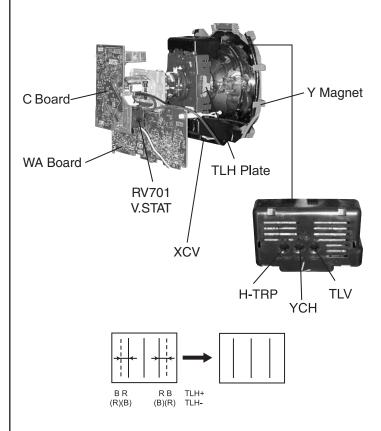
1. Affix a permalloy assembly corresponding to the misconverged areas:



TLH PLATE ADJUSTMENT

Preparation:

- · Input crosshatch pattern.
- Adjust Picture Quality to standard, Picture and Brightness to 50%, and Other to standard.
- Adjust the Horizontal Convergence of red and blue dots by tilting the TLH plate on the deflection yoke.

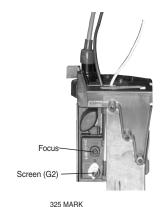


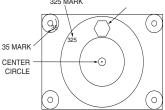
- 1. Adjust XCV core to balance X axis.
- 2. Adjust YCH VR to balance Y axis.
- 3. Adjust vertical red and blue convergence with V.TILT (TLV VR.) Perform adjustments while tracking items 1 and 2.
- 4. Adjust Y MAGNET to correct V.BOW Geometry Distortion.
- 5. Adjust H-TRP to correct H.Trapezoid Geometry Distortion.

After adjusting items 4 and 5, confirm overall geometry again.

2-3. FOCUS

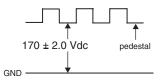
- 1. Input monoscope signal.
- 2. Set user controls to normal.
- 3. Set video mode to STANDARD.
- 4. Set the PICTURE to maximum.
- 5. Adjust at 325 Mark for best center/corner focus balance.
- Receive an entire white signal. Make sure Magenta Ring is at an acceptable level.





2-4. SCREEN (G2)

- 1. Input dot pattern from the pattern generator.
- 2. Set the user controls to NORMAL.
- 3. Attach the G2-Jig to the C Board.
- Adjust RCUT, GCUT, BCUT, and SBRT in service mode with an oscilloscope so that voltages on the red, green, and blue cathodes are 170 ± 2.0Vdc.
- 5. Observe the screen and adjust SCREEN (G2) VR to obtain the faintly visible background of dot signal.
- Push the TEST + JUMP (+ Channel) to cut off the signal. The screen should be bright or dark. Brightness of raster must be increased when adjusting.
- Adjust screen VR until the screen is slightly cut off, or scarcely lights up. A signal cannot be seen when the brightness of the raster is high.
- 8. Push the JUMP again to release the cut off.



2-5. WHITE BALANCE ADJUSTMENTS

Adj.	NO.	Disp.	Item	All Models
VID_ADJ	0	RDRV	Red Drive	41
VID_ADJ	VID_ADJ 1 GDRV		Green Drive	32
VID_ADJ	VID_ADJ 2 BDRV Blue Drive		29	
VID_ADJ	3	RCUT	Red Cut-off	31
VID_ADJ	VID_ADJ 4 GCUT Green Cut-off		14	
VID_ADJ	VID_ADJ 5 BCUT Blue Cut-off		17	
VP2	4	SBRT	Sub Bright	16

- 1. Set program palette to STANDARD and push RESET.
- 2. Input an entire white signal.
- 3. Set to Service Adjustment Mode.
- 4. Set the PICTURE and BRIGHT to minimum.
- 5. Adjust with SBRT if necessary.
- 6. Set RCUT to "14".
- 7. Select GCUT and BCUT with 3 and 5.
- 8. Adjust by pressing 1 and 4 for the best white balance.
- 9. Set the PICTURE and BRIGHT to maximum.
- 10. Select GDRV and BDRV with and .
- 11. Adjust with 3 and 6 for the best white balance.
- 12. Write into the memory by pressing 3 then 5.
- 13. Repeat steps 1-12 for GDR4, BDR4, GCU4 and BCU4 using Video 4 input.
- * Use values from Sub Contrast Adjustments

White balance should be adjusted after Sub Contrast because RDRV is also used in Sub Contrast Adjustment. (See page 22).

SECTION 3: SAFETY RELATED ADJUSTMENTS

3-1. ► R530, R531 CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS

Always perform the following adjustments when replacing the following components marked with a \square mark on the schematic diagram:

Part Replaced (☑)	Adjustment (█)					
A BOARD: R550, T503, T504, D519, IC501, R533, D521, R532, D520, C531, R529, R530, R531, C532	HV HOLD DOWN R530, R531					

PREPARATION BEFORE CONFIRMATION

- 1. Using a Variac, apply AC input voltage: 120+2.0 VAC.
- 2. Turn the POWER switch ON.
- Input a white signal and set the PICTURE and BRIGHT controls to maximum.
- Confirm that the voltage of more than 23.0 VDC appears between TP85 and ground on the A Board.

HOLD-DOWN OPERATION CONFIRMATION

- 1. Connect the current meter between Pin 11 of the FBT (T503) and the PWB land where Pin 11 would normally attach. (See Figure 1).
- 2. Input a dot signal and set PICTURE and BRIGHTNESS to minimum: IABL = $2175 + 100/-325 \,\mu A$.
- 3. Confirm the voltage of A Board TP91 is 135 ± 1.5 VDC.
- 4. Connect the digital voltmeter and the DC power supply to TP85 and ground. (See Figure 1 above).
- 5. Increase the DC power voltage gradually until the picture blanks out.
- 6. Turn DC power source off immediately.
- 7. Read the digital voltmeter indication (standard = 27.24 + 0.0/ 0.1 VDC).
- 8. Input a white signal and set PICTURE and BRIGHTNESS to maximum: IABL = $2175 + 100/-325 \mu A$.
- 9. Repeat steps 4 to 7.

HOLD-DOWN READJUSTMENT

If the setting indicated in Step 2 of Hold-Down Operation Confirmation cannot be met, readjustment should be performed by altering the resistance value of R530, R531 component marked with ■.

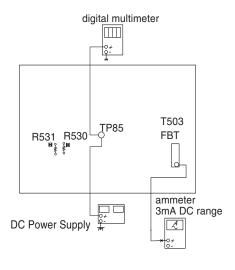


Figure 1

3-2. B+ VOLTAGE CONFIRMATION AND ADJUSTMENT

Always perform the following adjustments when replacing the following components, which are marked with \square on the schematic diagram on the GK Board:

GK BOARD: IC600, PH602

- 1. Using a Variac, apply AC input voltage: 130 + 2.0/-0.0 VAC
- 2. Input a monoscope signal.
- Set the PICTURE control and the BRIGHT control to minimum.
- Confirm the voltage on A Board between TP23 and ground is less than 136.5 VDC.
- If step 4 is not satisfied, replace R530 and R531 on A Board and repeat the above steps.

SECTION 4: CIRCUIT ADJUSTMENTS

ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER

Use the Remote Commander (RM-Y181, RM-Y182) to perform the circuit adjustments in this section.

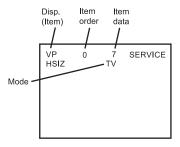
Test Equipment Required: 1. Pattern generator 2. Frequency counter 3. Digital multimeter 4. Audio oscillator

4-1. SETTING SERVICE ADJUSTMENT MODE

- 1. Standby mode (Power off).
- 2. Press the following buttons on the remote commander within a second of each other:

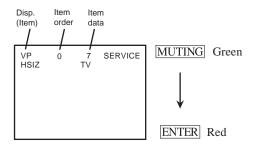
 $\boxed{\text{DISPLAY}} \longrightarrow \text{Channel } \boxed{5} \longrightarrow \text{Sound Volume } \boxdot \longrightarrow \text{Power}$

SERVICE ADJUSTMENT MODE IN

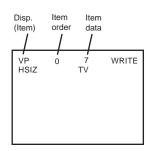


- 3. The CRT displays the item being adjusted.
- 4. Press 1 or 2 on the Remote Commander to select the item.
- 5. Press 3 or 6 on the Remote Commander to change the data.
- 6. Press MUTING then ENTER to write into memory.

SERVICE ADJUSTMENT MODE MEMORY



7. Press then on the Remote Commander to initialize.

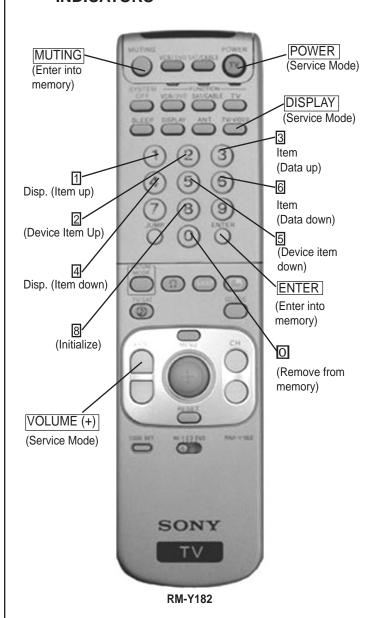


8. DO NOT turn off set until SERVICE appears.

4-2. MEMORY WRITE CONFIRMATION METHOD

- 1. After adjustment, pull out the plug from the AC outlet, then replace the plug in the AC outlet again.
- 2. Turn the power switch ON and set to Service Mode.
- 3. Call the adjusted items again to confirm they were adjusted.

4-3. REMOTE ADJUSTMENT BUTTONS AND INDICATORS



4-4. SERVICE DATA LISTS

Non-Volatile Memory (NVM) Reference for BA5D Service List

0				(ommor	1	
Service Group	No.	Name	Description	Bit Mask	Slave	Sub	Init
Стоир					Addr	Addr	Data
VERSION	0	VER	Microprocessor version information	11111111	=	=	0

0			Fire /			Common				NTS	C / PA	L-M	PAL-N		
Service Group	No.	Name	Fix / Var	Description	Bit Mask	Slave	Sub	Fix	Var	Slave	Sub		Slave	Sub	
Group			Vai			Addr	Addr	Data	Data	Addr	Addr	Data	Addr	Addr	Data
VP1	0	HSIZ	Var	H SIZE (11/ 2-7)	11111100					A4	A8		A4	B4	
	1	HPOS	Var	HPOS (12 / 2-7)	11111100					A4	A9		A4	B5	
	2	VBOW	Var	AFC BOW (16 / 4-7)	11110000					A4	AE		A4	BA	
	3	VANG	Var	AFC ANGLE (16 / 0-3)	00001111					A4	AE		A4	BA	
	4	VTRP	Var	TRAPEZIUM (20 / 3-7)	11111000					A4	AF		A4	BB	
	5	HTRP	Var	H. TRAPEZOID (15 / 4-7)	11110000					A4	AD		A4	В9	
	6	TROT	Fix	TILT ROTATION (0-63)	11111100					A4	A4		A4	В0	
	7	PAMP	Var	PIN AMP (13 / 2-7)	11111100					A4	AA		A4	В6	
	8	UPIN	Var	UP-CPIN (14 / 2-7)	11111100					A4	AB		A4	В7	
	9	LPIN	Var	LO-CPIN (1C / 2-7)	11111100					A4	AC		A4	В8	
	10	VSIZ	Var	V SIZE (0E / 2-7)	11111100					A4	A5		A4	B1	
	11	VPOS	Var	V POSITION (0E / 2-7)	11111100					A4	A6		A4	B2	
	12	VLIN	Var	V LINEARITY (10 / 0-3)	00001111					A4	A7		A4	В3	
	13	SCOR	Var	S CORRECTION (10 / 4-7)	11110000					A4	A7		A4	В3	
	14	VZOM	Fix	16:9 CRT Z Mode on/off	10000000	A4	85								
	15	EHT	Fix	Vertical High-Voltage Compensation	00001111	A4	80								
	16	ASP	Fix	Aspect Ratio control (4:3 Mode)	11111100	A4	FB	47							
	17	ASP1	Fix	Aspect Ratio control (16:9 Mode)	11111100	A4	FC	47							
	18	SCRL	Fix	16:9 CRT Z Mode Trans. Scroll	00111111	A4	86								
	19	HBLK	Fix	Horizontal Blanking on/off	00010000	A4	85								
	20	LBLK	Fix	Left Blanking Adjustment	11110000	A4	80								
	21	RBLK	Fix	Rigth Blanking Adjustment	00001111	A4	81								
	22	HDW	Fix	Horizontal Drive Pulse Width	00001000	A4	85								
	23	EWDC	Fix	"Parabola" EW, D.C. Adjustment	00000100	A4	88								
	24	LVLN	Fix	Lower Screen BTM Vertical Line Adj.	11110000	A4	81								
	25	UVLN	Fix	Uppe Screen BTM Vertical Line Adj.	00001111	A4	82								
	26	INTL	Fix	INTERLACE	00110000	A4	84								
	27	HOSC	Fix	Horizontal VCO Oscillation Freq.	11110000	A4	82								
	28	VSS	Fix	Vertical Sync Slice Level	11000000	A4	84								
	29	HSS	Fix	Horizontal Sync Slice Level	00001000	A4	88								
	30	HMSK	Fix	For Macro Vision	00010000	A4	88								
	31	VTMS	Fix	Select Signal VTIM Pin	01100000	A4	85								
	32	TCMD	Fix	Vertical Count Down Mode Switching (for TV)	00000011	A4	8C								
	33	VCMD	Fix	Vertical Count Down Mode Switching (for Video)	00000011	A4	8D								
	34	AFC	Fix	AFC Loop Gain Switching	11000000	A4	A4 86								
	35	FIFR	Fix	Field Frequency	11000000	A4	87								
	36	VBLK	Fix	VBLKW	00000011	A4	88								
	37	HTSW	Fix	H-Trap Switch : NEW	00100000	A4	88								

<u>.</u>			F: ,				Con	mon			NTSC		ı	PAL-M			PAL-N	
Service Group	No.	Name	Fix / Var	Description	Bit Mask	Slave	Sub	Fix	Var	Slave	Sub		Slave	Sub		Slave	Sub	
Group			Vai			Addr	Addr	Data	Data	Addr	Addr	Data	Addr	Addr	Data	Addr	Addr	Data
VP2	0	REFP	Fix	REFP	01000000	A4	88	0										
	1	JPSW	Fix	Jump SW	00000001	=	Ш											
	2	SHUE	Var	Sub HUE adjustment	11110000	A4	8C											
	3	SCOL	Var	Sub COLOR adjustment	00001111					A4	8E		A4	90	7	A4	92	
	4	SBRT	Var	Sub BRIGHTNESS adjustment	00011111	A4	87										-	
	5	AXPL	Fix	Axis PAL	00000001	A4	89	0										
	6	AXNT	Fix	Axis NTSC	00000010	A4	89	1										
	7	CBPF	Fix	Chroma BPF on/off	00000100	A4	89	1										
	8	CTRP	Fix	Y TRAP FILTER on/off	00000001	=	=											
	9	COFF	Fix	Color On/off	00000010	=	П											
	10	KOFF	Fix	Set Color Killer	00100000	A4	89	0										
	11	SSHP	Fix	Sub SHARPNESS	11110000	A4	83											
	12	TSPF	Fix	SHARPNESS Circuit Fo (for TV)	00001100	A4	8C											
	13	VSPF	Fix	SHARPNESS Circuit Fo (for Video)	00001100	A4	8D											
	14	PREL	Fix	Pre-Shoot/ Over-Shoot	01000000	A4	89	1										
	15	ABLM	Fix	ABL Mode Switch	10000000	A4	89	1										
	16	VTH	Fix	ABL CD VHT Switching	00000001	=	П											
	17	YDEL	Fix	Y Delay Time Control	00001111	A4	84	_										
	18	NCOL	Fix	No Color ID	00000001	A4	85											
	19	FSC	Fix	FSC Out on/off	00000010	A4	85	1										
	20	KID	Fix	Killer ID Control on/off	00000100	A4	85	0										

C			F: /				Con	nmon			NTSC			PAL-M			PAL-N	
Service Group	No.	Name	Fix / Var	Description	Bit Mask	Slave	Sub	Fix	Var	Slave	Sub		Slave	Sub		Slave	Sub	
Group			Vai			Addr	Addr	Data	Data	Addr	Addr	Data	Addr	Addr	Data	Addr	Addr	Data
VID_ADJ	0	RDRV	var	R DRIVE (0A / 7-2)	11111100	A4	9E	41										
	1	GDRV	Var	G DRIVE (0B / 7-2)	11111100	A4	9F											
	2	BDRV	Var	B DRIVE (0C / 7-2)	11111100	A4	A0											
	3	RCUT	Var	R CUT OFF (07 / 7-2)	11111100	A4	A1	31										
	4	GCUT	Var	G CUT OFF (08 / 7-2)	11111100	A4	A2											
	5	BCUT	Var	B CUT OFF (09 / 7-2)	11111100	A4	A3											
	6	SCON	Var	Sub Contrast adjusment	00001111	A4	8A											
	7	CHUE	Var	Sub HUE adjustment for TV	00011111	A4	94	16										
	8	CCOL	Var	Sub COLOR adjustment for TV	00011111					A4	8F	18	A4	91	18	A4	93	23
	9	UOFS	Var	YUV U offset	00001111	A4	8B											
	10	VOFS	Var	YUV V offset	11110000	A4	8B											
	11	RON	Fix	R ON (01 / 3)	00001000	=	=											
	12	GON	Fix	G ON (01 / 2)	00000100	=	=											
	13	BON	Fix	B ON (01 / 1)	00000010	=	=											
	14	HUEV	Var	Sub HUE adjustment for Video	11110000	A4	8D											
	15	COLV	Var	Sub COLOR adjustment for Video	11110000					A4	8E		A4	90		A4	92	

Ci			F: /			C	ommor	1
Service Group	No.	Name	Fix / Var	Description	Bit Mask	Slave	Sub	Fix
Стопр			Vai			Addr	Addr	Data
COL_TMP	0	GDOF	Fix	G DRIVE Offset	11111000	A4	9A	4
	1	BDOF	Fix	B DRIVE Offset	11111000	A4	9B	15
	2	GCOF	Fix	G CUT Offset	11111000	A4	9C	7
	3	BCOF	Fix	B CUT Offset	11111000	A4	9D	14
	4	DCOL	Fix	Dinamic Color	00000010	=	=	

			- : ,			(Commo	n
Service Group	No.	Name	Fix / Var	Description	Bit Mask	Slave	Sub	Fix
Group			Vai			Addr	Addr	Data
PIC_IMP	0	BLAD	Fix	Black area detect (01 / 6-7)	11000000	A4	09	0
	1	SRTS	Fix	SRT level (01 / 4-5)	00110000	A4	09	3
	2	YNR	Fix	YNR(01 / 2)	00000100	A4	09	1
	3	GIRE	Fix	Gamma correction(01 / 0-1)	00000011	A4	09	3
	4	DAC1	Fix	DAC1(02 / 7)	10000000	A4	0A	0
	5	DAC2	Fix	DAC2(02 / 6)	01000000	A4	0A	0
	6	VMGA	Fix	VM on 1226 (02/5-4)	00110000	A4	0A	0
	7	GCUR	Fix	Gamma curve(02 / 2)	00000100	A4	0A	1
	8	BLKC	Fix	Black Compensation (02 / 1)	00000010	A4	0A	1
	9	TEST	Fix	TEST(03 / 6-7)	11000000	A4	0B	3
	10	RS	Fix	RS (03 / 3-5)	00111000	A4	0B	0
	11	RTC	Fix	RTC(03 / 0-2)	00000111	A4	0B	2
	12	APAC	Fix	APAC	10000000	A4	0B	0
	13	SRTH	Fix	SRT bit for Dynablack = High	10000000	A4	5C	1
	14	SRTL	Fix	SRT bit for Dynablack = Low	10000000	A4	5D	1
	15	SRTO	Fix	SRT bit for Dynablack = Off	10000000	A4	5E	0
	16	SHPH	Fix	Sharpness level for Dynablack = High	01111111	A4	5C	54
	17	SHPL	Fix	Sharpness level for Dynablack = Low	01111111	A4	5D	43
	18	SHPO	Fix	Sharpness level for Dynablack = Off	01111111	A4	5E	0

Service			Fix/			Pale	ette = VI	VID	Palette	= STAN	DARD	Palet	te = MC	VIE	Palett	te = SP	ORTS
Group	No.	Name	Var	Description	Bit Mask	Slave	Sub	Fix	Slave	Sub	Fix	Slave	Sub	Fix	Slave	Sub	Fix
Group			Vai			Addr	Addr	Data	Addr	Addr	Data	Addr	Addr	Data	Addr	Addr	Data
PALETTE	0	VPIC	Fix	User picture setting 0:min, 63: max	11111100	A4	5F	63	A4	65	50	A4	6B	38	A4	71	63
	1	VBRT	Fix	User brightness setting 0:min, 63: max	11111100	A4	60	31	A4	66	31	A4	6C	31	A4	72	31
	2	VCOL	Fix	User color setting 0:min, 63: max	11111100	A4	61	35	A4	67	31	A4	6D	31	A4	73	40
	3	VSHP	Fix	User sharpness setting 0:min, 63: max	11111100	A4	62	31	A4	68	31	A4	6E	34	A4	74	31
	4	VVM	Fix	0: OFF, 1: Low, 2: High, 3: N/A	00000011	A4	5F	2	A4	65	1	A4	6B	0	A4	71	2
	5	VTRI	Fix	0: Cool, 1: Nutral, 2: Warm, 3: N/A	00000011	A4	60	0	A4	66	1	A4	6C	2	A4	72	0
	6	VGMA	Fix	0: OFF, 1: Low, 2: Mid, 3: Max	00000011	A4	63	2	A4	69	2	A4	6F	2	A4	75	2
	7	VNRM	Fix	0: 3D, 1: 2D	00000010	A4	61	0	A4	67	0	A4	6D	0	A4	73	0
	8	VYDC	Fix	DC Transmission Ratio 0,1: 100%, 2: 92%, 3: 85	00000011	A4	62	3	A4	68	3	A4	6E	2	A4	74	3
	9	VVEN	Fix	Vertoca; Enhancement	00011100	A4	63	5	A4	69	3	A4	6F	3	A4	75	5
	10	VHK0	Fix	Horizontal Peaking 0:On, 1:Off	00000001	A4	61	0	A4	67	0	A4	6D	0	A4	73	0
	11	VDBK	Fix	User Dynablack 0: OFF, 1: Low, 2: High, 3: N/A	01100000	A4	63	2	A4	69	1	A4	6F	1	A4	75	1
	12	VYPL	Fix	Y-Peaking Limit	00000011	A4	64	1	A4	6A	0	A4	70	0	A4	76	1

Camilaa			Fire /			C	Commoi	ı
Service Group	No.	Name	Fix / Var	Description	Bit Mask	Slave	Sub	Fix
Group			Vai			Addr	Addr	Data
3L_COMB	0	FUNN	Fix	Function (0 / 7-6) for NTSC	11000000	A4	3C	3
	1	FUNP	Fix	Function (0 / 7-6) for PAL-N, PAL-M	00110000	A5	3C	3
	2	DRNG	Fix	DRANG (0 / 2)	00000100	A4	3C	0
	3	YCSM	Fix	Y/C Sep Mode (0 / 1-0)	00000011	A4	3C	0
	4	CNRK	Fix	CNRK (1 / 7-6)	11000000	A4	3D	1
	5	CNRL	Fix	CNR Lim (1 / 5-4)	00110000	A4	3D	1
	6	CLPF	Fix	C-LPF(1/3)	00001000	A4	3D	1
	7	SLPF	Fix	SelC-LPF(1 / 2)	00000100	A4	3D	0
	8	MODE	Fix	Mode1 (1 / 1)	00000010	A4	3D	0
	9	YPG	Fix	Y - Peaking Gain (2 / 7-6)	11000000	A4	3E	3
	10	PDSC	Fix	Pds. Clip (2 / 3)	00001000	A4	3E	0
	11	YLPF	Fix	Y-LPF(2 / 2)	00000100	A4	3E	1
	12	VENL	Fix	V-Emph N.L (3 / 4-2)	00011100	A4	3F	4
	13	VEC	Fix	V - Emph Core (3 / 1-0)	00000011	A4	3F	3

Service Group No. Name Fix Var Description Bit Mask Slave Sub Fix Addr Addr Data	O a mada			Elec 1			(Commo	1
Second		No.	Name	-	Description	Bit Mask	Slave	Sub	Fix
1 YAPS Fix YAPS(00 / 0 - 1) 00000011 A4 21 1 2 NSDS Fix NSDS(01 / 4 - 5) 00110000 A4 22 0 3 MSS Fix MSS(01 / 2 - 3) 00001100 A4 22 0 4 KILS Fix KILS (01 / 1 - 0) 00000011 A4 22 1 5 DYC Fix DYCOS (02 / 7 - 6) 11000000 A4 23 2 6 EXAD Fix EXCSS(02 / 1 - 0) 000000011 A4 23 1 8 CPP Fix CPP(03 / 6) 01000000 A4 23 1 8 CPP Fix CPP(03 / 6) 01000000 A4 24 0 9 HDP Fix HDP(03 / 3 - 5) 00111000 A4 24 6 10 CDL Fix CDL(03 / 0 - 2) 00000111 A4 24 6 11 DYGA	Group			Vai			Addr	Addr	Data
2 NSDS Fix NSDS(01/4-5) 00110000 A4 22 0 3 MSS Fix MSS(01/2-3) 00001100 A4 22 0 4 KILS Fix KILS (01/1-0) 00000011 A4 22 1 5 DYC Fix DYCOS (02/7-6) 11000000 A4 23 2 6 EXAD Fix EXADINS(02/5) 00100000 A4 23 0 7 EXCS Fix EXCSS(02/1-0) 00000011 A4 23 1 8 CPP Fix CPP(03/6) 01000000 A4 24 0 9 HDP Fix HDP(03/3-5) 00110000 A4 24 6 10 CDL Fix CDL(03/0-2) 00000111 A4 24 6 11 DYCO Fix DYCOR(04/4-7) 11110000 A4 25 2 12 DYGA Fix DYGAIN(04/0-3) 00001111 A4 25 10 13 DCCO Fix DCCOR(05/4-7) 11110000 A4 26 2 14 DCGA Fix DCGAIN(05/0-3) 00001111 A4 26 9 15 YNRL Fix YNRLIM(06/0-1) 00000111 A4 27 1 16 CNRL Fix CNRLIM(06/0-1) 0000001 A4 27 1 17 ID1O Fix ID1ON(07/7) 10000000 A4 28 0 19 ID1N Fix ID1WOA1(07/6) 0100000 A4 28 0 19 ID1N Fix ID1WOA2(07/5) 00100000 A4 29 1 21 VTRH Fix VTRH(08/4-5) 00110000 A4 29 1 22 VTRR Fix VTRH(08/2-3) 00001100 A4 29 1 23 LDSR Fix LDSR(08/0-1) 00000011 A4 29 1 24 WSS Fix WSC(08/6-7) 10000000 A4 29 1 25 ID1E Fix ID1ECON (09/6) 01000000 A4 2A 00 26 TT FIX TT (09/4-5) 00100000 A4 2A 00 27 FELC Fix FELCHK (09/3) 0000110000 A4 2A 00 29 VAPG Fix VAPGAIN(0A/5-7) 111000000 A4 2A 00	3D_COMB	0	COUT	Fix	COUTS(00 / 2-3)	00001100	A4	21	3
3 MSS Fix MSS(01/2-3) 00001100 A4 22 0 4 KILS Fix KILS (01/1-0) 00000011 A4 22 1 5 DYC Fix DYCOS (02/7-6) 11000000 A4 23 2 6 EXAD Fix EXADINS(02/5) 00100000 A4 23 0 7 EXCS Fix EXCSS(02/1-0) 00000011 A4 23 1 8 CPP Fix CPP(03/6) 01100000 A4 24 0 9 HDP Fix HDP(03/3-5) 00110000 A4 24 6 10 CDL Fix CDL(03/0-2) 0000111 A4 25 1 11 DYCO Fix DYCOR(04/4-7) 11110000 A4 25 2 12 DYGA Fix DYGAIN(04/0-3) 00001111 A4 25 10 13 DCCO Fix DCCOR(05/4-7) 11110000 A4 26 2 14 DCGA Fix DCGAIN(05/0-3) 00001111 A4 26 9 15 YNRL Fix YNRLIM(06/4-5) 00110000 A4 27 1 16 CNRL Fix CNRLIM(06/0-1) 00000011 A4 27 1 17 ID10 Fix ID10N(07/7) 10000000 A4 28 0 18 ID1W Fix ID1WOA1(07/6) 01000000 A4 28 0 19 ID1N Fix ID1WOA1(07/6) 01000000 A4 28 0 20 WSC Fix WSC(08/6-7) 11000000 A4 29 1 21 VTRH Fix VTRH(08/4-5) 00110000 A4 29 1 22 VTRR Fix VTRH(08/4-5) 00110000 A4 29 1 23 LDSR Fix LDSR(08/0-1) 0000011 A4 29 1 24 WSS Fix WSC(08/6-7) 10000000 A4 29 1 25 ID1E Fix ID1SC(08/0-1) 00000011 A4 29 1 26 TT Fix ID1CON(09/6) 01000000 A4 2A 0 27 FELC Fix FELCHK (09/3) 00001100 A4 2A 0 28 TH Fix TH (09/1-2) 00000110 A4 2A 0 29 VAPG Fix VAPGAIN(06/5-7) 11100000 A4 2A 0		1	YAPS	Fix	YAPS(00 / 0-1)	00000011	A4	21	1
4 KILS Fix KILS (01/1-0) 00000011 A4 22 1 5 DYC Fix DYCOS (02/7-6) 11000000 A4 23 2 6 EXAD Fix EXADINS(02/5) 00100000 A4 23 0 7 EXCS Fix EXCSS(02/1-0) 00000011 A4 23 1 8 CPP Fix CPP(03/6) 01000000 A4 24 0 9 HDP Fix HDP(03/3-5) 00111000 A4 24 6 10 CDL Fix CDL(03/0-2) 00000111 A4 25 1 11 DYCO Fix DYCOR(04/4-7) 11110000 A4 25 2 12 DYGA Fix DYGAIN(04/0-3) 00001111 A4 25 10 13 DCCO Fix DCCOR(05/4-7) 11110000 A4 26 2 14 DCGA Fix DCGAIN(05/0-3) 00001111 A4 26 9 15 YNRL Fix YNRLIM(06/4-5) 00110000 A4 27 1 16 CNRL Fix CNRLIM(06/0-1) 0000011 A4 27 1 17 ID10 Fix ID10N(07/7) 10000001 A4 28 0 18 ID1W Fix ID1W0A1(07/6) 01000000 A4 28 0 19 ID1N Fix ID1W0A1(07/6) 01000000 A4 28 0 20 WSC Fix WSC(08/6-7) 11000000 A4 29 1 21 VTRH Fix VTRH(08/4-5) 00110000 A4 29 1 22 VTRR Fix VTRR(08/2-3) 00001100 A4 29 1 23 LDSR Fix LDSR(08/0-1) 0000011 A4 29 1 24 WSS Fix WSS (09/7) 10000000 A4 2A 00 25 ID1E Fix ID1ECON (09/6) 01000000 A4 2A 00 27 FELC Fix FELCHK (09/3) 00001100 A4 2A 00 29 VAPG Fix VAPGAIN(0A/5-7) 111000000 A4 2A 00		2	NSDS	Fix	NSDS(01 / 4-5)	00110000	A4	22	0
5 DYC Fix DYCOS (02/7-6) 11000000 A4 23 2 6 EXAD Fix EXADINS(02/5) 00100000 A4 23 0 7 EXCS Fix EXCSS(02/1-0) 00000011 A4 23 1 8 CPP Fix CPP(03/6) 01000000 A4 24 0 9 HDP Fix CPP(03/6) 010100000 A4 24 0 9 HDP Fix DYCD(03/6) 00111000 A4 24 6 10 CDL Fix CDC(03/0-2) 00000111 A4 24 6 11 DYCO Fix DYCOR(04/4-7) 11110000 A4 25 2 12 DYGA Fix DYGAIN(04/0-3) 00001111 A4 25 10 13 DCCO Fix DCCOR(05/4-7) 11110000 A4 27 1 14 DCGA Fix		3	MSS	Fix	MSS(01 / 2-3)	00001100	A4	22	0
6 EXAD Fix EXADINS(02 / 5) 00100000 A4 23 0 7 EXCS Fix EXCSS(02 / 1-0) 00000011 A4 23 1 8 CPP Fix CPP(03 / 6) 01000000 A4 24 0 9 HDP Fix HDP(03 / 3-5) 00111000 A4 24 6 10 CDL Fix CDL(03 / 0-2) 00000111 A4 25 2 11 DYCO Fix DYCOR(04 / 4-7) 11110000 A4 25 2 12 DYGA Fix DYGAIN(04 / 0-3) 00001111 A4 25 10 13 DCCO Fix DCCCR(05 / 4-7) 11110000 A4 26 2 14 DCGA Fix DCGAIN(05 / 0-3) 00001111 A4 26 9 15 YNRL Fix YNRLIM(06 / 0-1) 00000111 A4 27 1 16 CNRL Fix CNRLIM(06 / 0-1) 0000001 A4 27 1 17 ID1O Fix ID1ON(07 / 7) 10000000 A4 28 0 18 ID1W Fix ID1W0A1(07 / 6) 01000000 A4 28 0 19 ID1N Fix ID1W0A2(07 / 5) 00100000 A4 28 0 20 WSC Fix WSC(08 / 6-7) 11000000 A4 29 1 21 VTRH Fix VTRR(08 / 4-5) 000011000 A4 29 1 22 VTRR Fix VTRR(08 / 2-3) 00001100 A4 29 1 23 LDSR Fix LDSR(08 / 0-1) 0000001 A4 29 2 24 WSS Fix WSS (09 / 7) 10000000 A4 2A 2A 0 25 ID1E Fix ID1ECON (09 / 6) 01000000 A4 2A 2A 0 27 FELC Fix FELCHK (09 / 3) 00001100 A4 2A 2A 0 29 VAPG Fix VAPGAIN(0A / 5-7) 11100000 A4 2B 3		4	KILS	Fix	KILS (01 / 1-0)	00000011	A4	22	1
7 EXCS Fix EXCSS(02 / 1-0) 00000011 A4 23 1 8 CPP Fix CPP(03 / 6) 01000000 A4 24 0 9 HDP Fix CPP(03 / 6) 001000000 A4 24 6 10 CDL Fix CDL(03 / 0-2) 00000111 A4 24 6 11 DYCO Fix DYCOR(04 / 4-7) 11110000 A4 25 2 12 DYGA Fix DYGAIN(04 / 0-3) 00001111 A4 25 10 13 DCCO Fix DYGAIN(04 / 0-3) 00001111 A4 26 2 14 DCGA Fix DCCOR(05 / 4-7) 11110000 A4 26 2 14 DCGA Fix DCGAIN(05 / 0-3) 00011111 A4 26 9 15 YNRL Fix YNRLIM(06 / 4-5) 00110000 A4 27 1 16 CNRL		5	DYC	Fix	DYCOS (02 / 7-6)	11000000	A4	23	2
8 CPP Fix CPP(03/6) 01000000 A4 24 0 9 HDP Fix HDP(03/3-5) 00111000 A4 24 6 10 CDL Fix CDL(03/0-2) 00000111 A4 24 6 11 DYCO Fix DYCOR(04/4-7) 11110000 A4 25 2 12 DYGA Fix DYGAIN(04/0-3) 00001111 A4 25 10 13 DCCO Fix DCCOR(05/4-7) 11110000 A4 26 2 14 DCGA Fix DCGAIN(05/0-3) 00001111 A4 26 9 15 YNRL Fix YNRLIM(06/4-5) 00110000 A4 27 1 16 CNRL Fix CNRLIM(06/0-1) 00000011 A4 27 1 17 ID10 Fix ID10N(07/7) 10000000 A4 28 0 18 ID1W Fix ID1WOA1(07/6) 01000000 A4 28 0 19 ID1N Fix ID1WOA2(07/5) 00100000 A4 28 0 20 WSC Fix WSC(08/6-7) 11000000 A4 29 1 21 VTRH Fix VTRH(08/4-5) 00110000 A4 29 1 22 VTRR Fix VTRR(08/2-3) 00001100 A4 29 1 23 LDSR Fix LDSR(08/0-1) 00000011 A4 29 2 24 WSS Fix WSS(09/7) 10000000 A4 2A 0 25 ID1E Fix ID1ECON(09/6) 01000000 A4 2A 0 26 TT Fix TT(09/4-5) 001100000 A4 2A 0 27 FELC Fix FELCHK(09/3) 00001100 A4 2A 0 28 TH Fix TH(09/1-2) 00000110 A4 2A 0 29 VAPG Fix VAPGAIN(0A/5-7) 11100000 A4 2A 0		6	EXAD	Fix	EXADINS(02 / 5)	00100000	A4	23	0
9 HDP Fix HDP(03 / 3-5)		7	EXCS	Fix	EXCSS(02 / 1- 0)	00000011	A4	23	1
10 CDL Fix CDL(03 / 0-2) 00000111 A4 24 6 11 DYCO Fix DYCOR(04 / 4-7) 11110000 A4 25 2 12 DYGA Fix DYGAIN(04 / 0-3) 00001111 A4 25 10 13 DCCO Fix DCCOR(05 / 4-7) 11110000 A4 26 2 14 DCGA Fix DCCAIN(05 / 0-3) 00001111 A4 26 9 15 YNRL Fix DCGAIN(05 / 0-3) 00110000 A4 27 1 16 CNRL Fix YNRLIM(06 / 4-5) 00110000 A4 27 1 17 ID1O Fix LD10N(07 / 7) 10000000 A4 28 0 18 ID1W Fix ID1W0A1(07 / 6) 01000000 A4 28 0 19 ID1N Fix ID1W0A2(07 / 5) 00100000 A4 28 0 20 WSC		8	CPP	Fix	CPP(03 / 6)	01000000	A4	24	0
11 DYCO Fix DYCOR(04/4-7) 11110000 A4 25 2 12 DYGA Fix DYGAIN(04/0-3) 00001111 A4 25 10 13 DCCO Fix DCCOR(05/4-7) 11110000 A4 26 2 14 DCGA Fix DCGAIN(05/0-3) 00001111 A4 26 9 15 YNRL Fix DNRLIM(06/0-1) 00110000 A4 27 1 16 CNRL Fix CNRLIM(06/0-1) 00000011 A4 27 1 17 ID10 Fix ID10N(07/7) 10000000 A4 28 0 18 ID1W Fix ID1W0A1(07/6) 01000000 A4 28 0 19 ID1N Fix ID1W0A2(07/5) 00100000 A4 28 0 20 WSC Fix WSC(08/6-7) 11000000 A4 29 1 21 VTRH F		9	HDP	Fix	HDP(03 / 3-5)	00111000	A4	24	6
12 DYGA Fix DYGAIN(04 / 0-3) 00001111 A4 25 10 13 DCCO Fix DCCOR(05 / 4-7) 11110000 A4 26 2 14 DCGA Fix DCGAIN(05 / 0-3) 00001111 A4 26 9 15 YNRL Fix VNRLIM(06 / 0-1) 00110000 A4 27 1 16 CNRL Fix CNRLIM(06 / 0-1) 000000011 A4 27 1 17 ID10 Fix ID10N(07 / 7) 10000000 A4 28 0 18 ID1W Fix ID1W0A1(07 / 6) 01000000 A4 28 0 19 ID1N Fix ID1W0A2(07 / 5) 00100000 A4 28 0 20 WSC Fix WSC(08 / 6-7) 11000000 A4 29 1 21 VTRH Fix VTRH(08 / 4-5) 00110000 A4 29 1 22 VTR		10	CDL	Fix	CDL(03 / 0-2)	00000111	A4	24	6
13 DCCO Fix DCCOR(05 / 4-7) 11110000 A4 26 2 14 DCGA Fix DCGAIN(05 / 0-3) 00001111 A4 26 9 15 YNRL Fix YNRLIM(06 / 4-5) 00110000 A4 27 1 16 CNRL Fix CNRLIM(06 / 0-1) 000000011 A4 27 1 17 ID10 Fix ID10N(07 / 7) 10000000 A4 28 0 18 ID1W Fix ID1W0A1(07 / 6) 01000000 A4 28 0 19 ID1N Fix ID1W0A2(07 / 5) 00100000 A4 28 0 20 WSC Fix WSC(08 / 6-7) 11000000 A4 29 1 21 VTRH Fix VTRH(08 / 4-5) 00110000 A4 29 1 22 VTRR Fix VTRR(08 / 2-3) 00001100 A4 29 1 23 LDSR </td <td></td> <td>11</td> <td>DYCO</td> <td>Fix</td> <td>DYCOR(04 / 4-7)</td> <td>11110000</td> <td>A4</td> <td>25</td> <td>2</td>		11	DYCO	Fix	DYCOR(04 / 4-7)	11110000	A4	25	2
14 DCGA Fix DCGAIN(05 / 0-3) 00001111 A4 26 9 15 YNRL Fix YNRLIM(06 / 4-5) 00110000 A4 27 1 16 CNRL Fix CNRLIM(06 / 0-1) 00000011 A4 27 1 17 ID10 Fix ID10N(07 / 7) 10000000 A4 28 0 18 ID1W Fix ID1W0A1(07 / 6) 01000000 A4 28 0 19 ID1N Fix ID1W0A2(07 / 5) 00100000 A4 28 0 20 WSC Fix WSC(08 / 6-7) 11000000 A4 28 0 20 WSC Fix VTRH(08 / 4-5) 00110000 A4 29 1 21 VTRH Fix VTRR(08 / 2-3) 00001100 A4 29 1 23 LDSR Fix LDSR(08 / 0-1) 0000011 A4 29 2 24 WSS		12	DYGA	Fix	DYGAIN(04 / 0-3)	00001111	A4	25	10
15 YNRL Fix YNRLIM(06 / 4-5) 00110000 A4 27 1 16 CNRL Fix CNRLIM(06 / 0-1) 00000011 A4 27 1 17 ID10 Fix ID10N(07 / 7) 10000000 A4 28 0 18 ID1W Fix ID1W0A1(07 / 6) 01000000 A4 28 0 19 ID1N Fix ID1W0A2(07 / 5) 00100000 A4 28 0 20 WSC Fix WSC(08 / 6-7) 11000000 A4 29 1 21 VTRH Fix VTRH(08 / 4-5) 00110000 A4 29 1 22 VTRR Fix VTRR(08 / 2-3) 00001100 A4 29 1 23 LDSR Fix LDSR(08 / 0-1) 00000110 A4 29 2 24 WSS Fix WSS (09 / 7) 10000000 A4 2A 0 25 ID1E		13	DCCO	Fix	DCCOR(05 / 4-7)	11110000	A4	26	2
16 CNRL Fix CNRLIM(06 / 0-1) 00000011 A4 27 1 17 ID1O Fix ID1ON(07 / 7) 10000000 A4 28 0 18 ID1W Fix ID1W0A1(07 / 6) 01000000 A4 28 0 19 ID1N Fix ID1W0A2(07 / 5) 00100000 A4 28 0 20 WSC Fix WSC(08 / 6-7) 11000000 A4 29 1 21 VTRH Fix VTRH(08 / 4-5) 00110000 A4 29 1 22 VTRR Fix VTRR(08 / 2-3) 00001100 A4 29 1 23 LDSR Fix LDSR(08 / 0-1) 00000110 A4 29 2 24 WSS Fix WSS (09 / 7) 10000000 A4 2A 0 25 ID1E Fix ID1ECON (09 / 6) 01000000 A4 2A 1 26 TT Fix TH (09 / 4 - 5) 00110000 A4 2A 1 28<		14	DCGA	Fix	DCGAIN(05 / 0-3)	00001111	A4	26	9
17 ID1O Fix ID1ON(07 / 7) 10000000 A4 28 0 18 ID1W Fix ID1W0A1(07 / 6) 01000000 A4 28 0 19 ID1N Fix ID1W0A2(07 / 5) 00100000 A4 28 0 20 WSC Fix WSC(08 / 6-7) 11000000 A4 29 1 21 VTRH Fix VTRH(08 / 4-5) 00110000 A4 29 1 22 VTRR Fix VTRR(08 / 2-3) 00001100 A4 29 1 23 LDSR Fix LDSR(08 / 0-1) 00000011 A4 29 2 24 WSS Fix WSS (09 / 7) 10000000 A4 2A 0 25 ID1E Fix ID1ECON (09 / 6) 01000000 A4 2A 1 26 TT Fix TT (09 / 4 - 5) 00110000 A4 2A 0 27 FELC		15	YNRL	Fix	YNRLIM(06 / 4-5)	00110000	A4	27	1
18 ID1W Fix ID1W0A1(07 / 6) 01000000 A4 28 0 19 ID1N Fix ID1W0A2(07 / 5) 00100000 A4 28 0 20 WSC Fix WSC(08 / 6-7) 11000000 A4 29 1 21 VTRH Fix VTRH(08 / 4-5) 00110000 A4 29 1 22 VTRR Fix VTRR(08 / 2-3) 00001100 A4 29 1 23 LDSR Fix LDSR(08 / 0-1) 00000011 A4 29 2 24 WSS Fix WSS (09 / 7) 10000000 A4 2A 0 25 ID1E Fix ID1ECON (09 / 6) 01000000 A4 2A 1 26 TT Fix TT (09 / 4 - 5) 00110000 A4 2A 0 27 FELC Fix FELCHK (09 / 3) 00001100 A4 2A 1 28 TH		16	CNRL	Fix	CNRLIM(06 / 0-1)	00000011	A4	27	1
19 ID1N Fix ID1W0A2(07 / 5) 00100000 A4 28 0 20 WSC Fix WSC(08 / 6-7) 11000000 A4 29 1 21 VTRH Fix VTRH(08 / 4-5) 00110000 A4 29 1 22 VTRR Fix VTRR(08 / 2-3) 00001100 A4 29 1 23 LDSR Fix LDSR(08 / 0-1) 00000011 A4 29 2 24 WSS Fix WSS (09 / 7) 10000000 A4 2A 0 25 ID1E Fix ID1ECON (09 / 6) 01000000 A4 2A 1 26 TT Fix TT (09 / 4 - 5) 00110000 A4 2A 0 27 FELC Fix FELCHK (09 / 3) 00001100 A4 2A 1 28 TH Fix VAPGAIN(0A / 5-7) 11100000 A4 2B 3		17	ID10	Fix	ID1ON(07 / 7)	10000000	A4	28	0
20 WSC Fix WSC(08 / 6-7) 11000000 A4 29 1 21 VTRH Fix VTRH(08 / 4-5) 00110000 A4 29 1 22 VTRR Fix VTRR(08 / 2-3) 00001100 A4 29 1 23 LDSR Fix LDSR(08 / 0-1) 00000011 A4 29 2 24 WSS Fix WSS (09 / 7) 10000000 A4 2A 0 25 ID1E Fix ID1ECON (09 / 6) 01000000 A4 2A 1 26 TT Fix TT (09 / 4 -5) 00110000 A4 2A 0 27 FELC Fix FELCHK (09 / 3) 00001000 A4 2A 1 28 TH Fix VAPGAIN(0A / 5-7) 11100000 A4 2B 3		18	ID1W	Fix	ID1W0A1(07 / 6)	01000000	A4	28	0
21 VTRH Fix VTRH(08/4-5) 00110000 A4 29 1 22 VTRR Fix VTRR(08/2-3) 00001100 A4 29 1 23 LDSR Fix LDSR(08/0-1) 00000011 A4 29 2 24 WSS Fix WSS (09/7) 10000000 A4 2A 0 25 ID1E Fix ID1ECON (09/6) 01000000 A4 2A 1 26 TT Fix TT (09/4-5) 00110000 A4 2A 0 27 FELC Fix FELCHK (09/3) 00001000 A4 2A 1 28 TH Fix TH (09/1-2) 00000110 A4 2A 0 29 VAPG Fix VAPGAIN(0A/5-7) 11100000 A4 2B 3		19	ID1N	Fix	ID1W0A2(07 / 5)	00100000	A4	28	0
22 VTRR Fix VTRR(08/2-3) 00001100 A4 29 1 23 LDSR Fix LDSR(08/0-1) 00000011 A4 29 2 24 WSS Fix WSS (09/7) 10000000 A4 2A 0 25 ID1E Fix ID1ECON (09/6) 01000000 A4 2A 1 26 TT Fix TT (09/4-5) 00110000 A4 2A 0 27 FELC Fix FELCHK (09/3) 00001000 A4 2A 1 28 TH Fix TH (09/1-2) 00000110 A4 2A 0 29 VAPG Fix VAPGAIN(0A/5-7) 11100000 A4 2B 3		20	WSC	Fix	WSC(08 / 6-7)	11000000	A4	29	1
23 LDSR Fix LDSR(08/0-1) 00000011 A4 29 2 24 WSS Fix WSS (09/7) 10000000 A4 2A 0 25 ID1E Fix ID1ECON (09/6) 01000000 A4 2A 1 26 TT Fix TT (09/4-5) 00110000 A4 2A 0 27 FELC Fix FELCHK (09/3) 00001000 A4 2A 1 28 TH Fix TH (09/1-2) 00000110 A4 2A 0 29 VAPG Fix VAPGAIN(0A/5-7) 11100000 A4 2B 3		21	VTRH	Fix	VTRH(08 / 4-5)	00110000	A4	29	1
24 WSS Fix WSS (09/7) 10000000 A4 2A 0 25 ID1E Fix ID1ECON (09/6) 01000000 A4 2A 1 26 TT Fix TT (09/4-5) 00110000 A4 2A 0 27 FELC Fix FELCHK (09/3) 00001000 A4 2A 1 28 TH Fix TH (09/1-2) 00000110 A4 2A 0 29 VAPG Fix VAPGAIN(0A/5-7) 11100000 A4 2B 3		22	VTRR	Fix	VTRR(08 / 2-3)	00001100	A4	29	1
25 ID1E Fix ID1ECON (09/6) 01000000 A4 2A 1 26 TT Fix TT (09/4-5) 00110000 A4 2A 0 27 FELC Fix FELCHK (09/3) 00001000 A4 2A 1 28 TH Fix TH (09/1-2) 00000110 A4 2A 0 29 VAPG Fix VAPGAIN(0A/5-7) 11100000 A4 2B 3		23	LDSR	Fix	LDSR(08 / 0-1)	00000011	A4	29	2
26 TT Fix TT (09 / 4 - 5) 00110000 A4 2A 0 27 FELC Fix FELCHK (09 / 3) 00001000 A4 2A 1 28 TH Fix TH (09 / 1 - 2) 00000110 A4 2A 0 29 VAPG Fix VAPGAIN(0A / 5-7) 11100000 A4 2B 3		24	WSS	Fix	WSS (09/7)	10000000	A4	2A	0
27 FELC Fix FELCHK (09/3) 00001000 A4 2A 1 28 TH Fix TH (09/1-2) 00000110 A4 2A 0 29 VAPG Fix VAPGAIN(0A / 5-7) 11100000 A4 2B 3		25	ID1E	Fix	ID1ECON (09 / 6)	01000000	A4	2A	1
28 TH Fix TH (09 / 1 -2) 00000110 A4 2A 0 29 VAPG Fix VAPGAIN(0A / 5-7) 11100000 A4 2B 3		26	TT	Fix	TT (09 / 4 -5)	00110000	A4	2A	0
29 VAPG Fix VAPGAIN(0A / 5-7) 11100000 A4 2B 3		27	FELC	Fix	FELCHK (09 / 3)	00001000	A4	2A	1
		28	TH	Fix	TH (09 / 1 -2)	00000110	A4	2A	0
30 VAPI Fix VAPINV(0A / 0-4) 00011111 A4 2B 25		29	VAPG	Fix	VAPGAIN(0A / 5-7)	11100000	A4	2B	3
		30	VAPI	Fix	VAPINV(0A / 0-4)	00011111	A4	2B	25

Г <u>.</u> .						(Commoi	1
Service	No.	Name	Fix /	Description	Bit Mask	Slave	Sub	Fix
Group			Var			Addr	Addr	Data
3D_COMB	31	YPFT	Fix	YPFT(0B / 4-5)	00110000	A4	2C	3
	32	YPFG	Fix	YPFG(0B / 0-3)	00001111	A4	2C	8
	33	V1PS	Fix	V1PS(0C / 6-7)	11000000	A4	2D	3
	34	VEGS	Fix	VEGS(0C / 4-5)	00110000	A4	2D	2
	35	CC3N	Fix	CC3N(0C / 3)	00001000	A4	2D	0
	36	C0HS	Fix	C0HS(0C / 2)	00000100	A4	2D	0
	37	SEL2	Fix	SELD2FH(0C / 0)	00000001	A4	2D	1
	38	SEL1	Fix	SELD1FL(0D / 5)	00100000	A4	2E	1
	39	YHCO	Fix	YHCOR(10 / 6-7)	11000000	A4	31	0
	40	YHCG	Fix	YHCGAIN(10 / 5)	00100000	A4	31	1
	41	OVST	Fix	+OVST(10 / 3)	00001000	A4	31	0
	42	CSHD	Fix	CSHDT(10 / 2)	00000100	A4	31	0
	43	KCTT	Fix	KCTT(10 / 0-1)	00000011	A4	31	0
	44	SHT	Fix	SHT(11 / 7-6)	11000000	A4	32	0
	45	VCT	Fix	VCT(11/ 5)	00100000	A4	32	0
	46	CGAT	Fix	CLKGAT (11 / 4)	00010000	A4	32	0
	47	CG2D	Fix	CLK2D (11 / 3)	00001000	A4	32	1
	48	CGGT	Fix	CLKGGT (11 / 2)	00000100	A4	32	0
	49	CGEB	Fix	CLKGEB (11 / 1)	00000010	A4	32	0
	50	CGT	Fix	CLKGT (11 / 0)	00000001	A4	32	0
	51	HPLL	Fix	HPLLFS(12 / 7)	10000000	A4	33	1
	52	BPLL	Fix	BPLLFS (12 / 6)	01000000	A4	33	0
	53	FSCF	Fix	FSCFG(12 /5)	00100000	A4	33	0
	54	PLLF	Fix	PLLFG(12 / 4)	00010000	A4	33	1
	55	KILR	Fix	KILR(12 / 0-3)	00001111	A4	33	3
	56	HSSL	Fix	HSSL(13 / 4-7)	11110000	A4	34	12
	57	VSSL	Fix	VSSL(13 / 0-3)	00001111	A4	34	8
	58	BGPS	Fix	BGPS(14 / 4-7)	11110000	A4	35	4
	59	BGPW	Fix	BGPW(14 / 0-3)	00001111	A4	35	10
	60	ADCL	Fix	ADCLKS(15 / 6-7)	11000000	A4	36	3
	61	NSDW	Fix	NSDSW(15 / 4)	00010000	A4	36	1
	62	HIZE	Fix	HIZEN (16 / 4)	00010000	A4	37	0
	63	HCNT	Fix	HCNTFSYN (17 / 6)	01000000	A4	38	0

						(Commor	1
Service Group	No.	Name	Fix / Var	Description	Bit Mask	Slave	Sub	Fix
Group			Vai			Addr	Addr	Data
PIP	0	PFRN	Fix	VCXO oscilation	00000010	A4	40	0
	1	PRVS	Fix	HD/VD input synchronous mode selection	00000001	A4	40	1
	2	PCON	Fix	PIP sub contrast control	01111111	A4	41	97
	3	PUCO	Fix	PIP U level control	01111111	A4	42	5
	4	PVCO	Fix	PIP V level control	01111111	A4	43	17
	5	PHUE	Fix	PIP sub hue control	00111111	A4	57	12
	6	PKIL	Fix	Color killer	10000000	A4	42	0
	7	PSEP	Fix	C-sync sep input selection	11000000	A4	44	1
	8	PDCN	Fix	Sub pic sync sep. Thereshold setting	00110000	A4	44	3
	9	PBGS	Fix	bgp position setting	00111111	A4	45	15
	10	PDL0	Fix	Y/C delay adjust (for video)	00001111	A4	46	11
	11	PDL1	Fix	Y/C delay adjust (for yuv)	11110000	A4	46	13
	12	PBRT	Fix	Y bryghtness control	00011111	A4	48	25
	13	PVP1	Fix	V pedestal level for YUV	11110000	A4	49	0
	14	PUP1	Fix	U pedestal level for YUV	00001111	A4	49	0
	15	PVP2	Fix	V pedestal level for main w/ burst	11110000	A4	4A	0
	16	PUP2	Fix	U pedestal level for main w/ burst	00001111	A4	4A	0
	17	PVP3	Fix	V pedestal level for main w/o burst	11110000	A4	4B	0
	18	PUP3	Fix	U pedestal level for main w/o burst	00001111	A4	4B	0
	19	PACS	Fix	0D, 0Eh setting mode	01000000	A4	4C	1
	20	PSYS	Fix	Color system	00110000	=	=	
	21	PSDL	Fix	Sync delay control	00000011	A4	4C	0
	22	PCCL	Fix	YUV color level	11110000	A4	4D	11
	23	PCGA	Fix	Croma gain	00001000	A4	4D	0
	24	PAAF	Fix	Auto AFC	00000100	A4	4D	1

						(Commor	1
Service	No.	Name	Fix /	Description	Bit Mask	Slave	Sub	Fix
Group			Var			Addr	Addr	Data
PIP	25	PSU2	Fix	For test	00000010	A4	4D	0
	26	PCVF	Fix	Internal 1H comb filter	00000001	A4	4D	0
	27	PBIT	Fix	Y clamp time constant	10000000	A4	4E	0
	28	PAFC	Fix	AFC time constant	01000000	A4	4E	0
	29	PACC	Fix	Color decoder amplitude	00111111	A4	4E	21
	30	PSDT	Fix	System automatic judgment	10000000	=	=	
	31	PBUR	Fix	VCXO mode selection	01000000	A4	4F	0
	32	PEVE	Fix	Main picture PAL-N	00100000	A4	4F	0
	33	PINW	Fix	Invert sub picture field definition	00010000	A4	4F	0
	34	PINR	Fix	Invert main picture field definition	00001000	A4	4F	0
	35	PVMD	Fix	Vertical display mode when pal-n	00000100	=	=	
	36	PREF	Fix	Main picture field fix	00000010	A4	4F	0
	37	PARE	Fix	Automatic 50/60 Hz judgement	00000001	A4	4F	0
	38	PBWD	Fix	BW det. Treshold setting	00110000	A4	50	1
	39	PFRA	Fix	Freq. Adjustment for free run mode	00001111	A4	51	0
	40	PPAL	Fix	Parameter setting for PAL-M judgment	11111111	A4	52	52
	41	PHPO	Fix	Sub picture h position	00111111	A4	58	3
	42	PVPO	Fix	Sub picture v position	00111111	A4	59	22
	43	PHTI	Fix	Display timing adjust	00001111	A4	44	3
	44	PHAJ	Fix	Main/Sub switch delay control	11110000	A4	47	2
	45	PBGY	Fix	Back ground Y level setting	00001111	A4	53	0
	46	PCRO	Fix	Sub picture read mode	10000000	A4	54	0
	47	PPAR	Fix	Thereshold contol for ident judgement of sub	00001111	A4	50	1
	48	PHPF	Fix	Y output HPF	00010000	A4	51	0
	49	PFSC	Fix	FSC output	10000000	A4	43	0
	50	PVCH	Fix	15h,16h,17h, setting mode	00000100	A4	4C	0
	51	PVON	Fix	V-chip decode mode	10000000	A4	53	1
	52	PVLN	Fix	V-chip data slicer line selection	00011111	A4	54	17
	53	PVSB	Fix	V-chip data slicer start bit detection parameter	11111111	A4	55	64
	54	PVLV	Fix	V-chip data slicer slice parameter	11111111	A4	56	130
	55	SUSW	Fix	Sub-Unlock bit position switch	01000000	A4	59	0

0			Flor (K۱	/-27FV3	00/29FV	300	KV-	32FV30	00/36FV	/300
Service Group	No.	Name	Fix / Var	Description	Bit Mask	Slave	Sub	Fix	Var	Slave	Sub	Fix	Var
огоир			Vai			Addr	Addr	Data	Data	Addr	Addr	Data	Data
AP	0	SBAL	Fix	Sub Balance	00000111	A8	41		4	A8	41		4
	1	SBAS	Fix	Sub Bass	00000111	A8	43		4	A8	43		4
	2	STRE	Fix	Sub Treble	00000111	A8	42		0	A8	42		0
	3	SRL	Fix	Surround level	00000001	A8	44		0	A8	44		0
	4	ввон	Fix	Surround Off - BBE high	11110000	A8	45		10	A8	45		10
	5	BBOL	Fix	Surround Off - BBE low	00001111	A8	45		5	A8	45		5
	6	BBSH	Fix	Simulated - BBE high	11110000	A8	46		0	A8	46		0
	7	BBSL	Fix	Simulated - BBE low	00001111	A8	46		0	A8	46		0
	8	BBMH	Fix	Surround - BBE high	11110000	A8	47		0	A8	47		0
	9	BBML	Fix	Surround - BBE low	00001111	A8	47		0	A8	47		0
	10	BBGH	Fix	WOW - BBE high	11110000	A8	48		6	A8	48		6
	11	BBGL	Fix	WOW - BBE low	00001111	A8	48		9	A8	48		9
	12	BBTH	Fix	Trusurround - BBE high	11110000	A8	49		7	A8	49		7
	13	BBTL	Fix	Trusurround - BBE low	00001111	A8	49		8	A8	49		8
	14	VFIX	Fix	Audio output fix data	11111111	A8	4A		244	A8	4A		244
	15	AGCL	Fix	AGC Level	00000110	A8	44		2	A8	44		2

0			F1 /		Bit Mask	(ommor	ı
Service Group	No.	Name	Fix / Var	Description	Bit Mask	Slave Addr	Sub Addr	Fix Data
CCD	0	DUM0	Fix	Only for testing	11111111	=	=	
	1	VOSD	Fix	Only for testing	00000001	=	=	

Camilaa			Fire /			Common		
Service Group	No.	Name	Fix / Var	Description	Bit Mask	Slave	Sub	Fix
Group			Vai			Addr	Addr	Data
OP	0	DISP	Fix	OSD Display position	00111111	A4	06	28
	1	RAMW	Fix		00000001	II	=	
	2	ICMP	Fix	Comparison data to determine Non- interlace signal for OSD	00011111	A4	39	4
	3	IPOR	Fix	0:Even, 1: Odd, Other: do not change	00000011	A4	3A	1
	4	FAWD	Fix	1: Forced to auto wide mode, 0:normal	00000100	A0	5D	0
	5	HCLW	Fix	H-Count Lower limit	11111111	A4	02	67
	6	HCHG	Fix	H-Count Higher limit	11111111	A4	03	254
	7	9VTM	Fix	Delay for 9V check subsystem	11111111	A4	04	55
	8	ZDET	Fix	Zero detect relay delay	11111111	A4	05	123

Service Group	No.	Name	Fix / Var	Description	Bit Mask	Slave Addr	Sub Addr	Var Data
ID	0	ID0	Fix	Model variation ID0	11111111	A4	78	SEE ID MAP
	1	ID1	Fix	Model variation ID1	11111111	A4	79	SEE ID MAP
	2	ID2	Fix	Model variation ID2	11111111	A4	7A	SEE ID MAP
	3	ID3	Fix	Model variation ID3	11111111	A4	7B	SEE ID MAP
	4	ID4	Fix	Model variation ID4	11111111	A4	7C	SEE ID MAP
	5	ID5	Fix	Model variation ID5	11111111	A4	7D	SEE ID MAP
	6	ID6	Fix	Model variation ID6	11111111	A4	7E	SEE ID MAP
	7	ID7	Fix	Model variation ID7	11111111	A4	7F	SEE ID MAP
•				To determine ID's value, ID map must be refered				

4-5. ID MAP TABLE

Model	Destination	ID-O	ID-1	ID-2	ID-3	ID-4	ID-5	ID-6	ID-7
KV-27FV300	US	89	63	237	98	78	128	6	16
KV-27FV300	CND	89	63	237	82	78	128	6	16
KV-29FV300	E	81	63	237	194	110	128	6	80
KV-32FV300	US	89	63	237	98	78	128	6	24
KV-32FV300	CND	89	63	237	82	78	128	6	24
KV-36FV300	US/HAW	89	63	237	98	78	128	6	24
KV-36FV300	CND	89	63	237	82	78	128	6	24

4-6. A BOARD ADJUSTMENTS

H. FREQUENCY (FREE RUN) CHECK

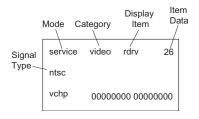
- 1. Input a TV mode (RF) with no signal.
- Connect a frequency counter to base of Q501 (TP-25 H. DRIVE) on the A Board.
- 3. Check H. Frequency for $15734 \pm 400/-200$ Hz.

V. FREQUENCY (FREE RUN) CHECK

- 1. Select video 1 with no signal input.
- 2. Set the conditions for a standard setting.
- 3. Connect the frequency counter to TP-27 (V OUT) or CN501 pin (6) (V DY+) and ground on the A Board .
- 4. Check that V. Frequency shows 60 ± 5 Hz.

SUBCONTRAST ADJUSTMENT (RDRV)

- 1. Input a color-bar signal and set the level to 75%.
- 2. Set in Standard mode.
- 3. Activate the Service Adjustment Mode. Set color min pic max.
- 4. Set GON and BON items. Using 3 and 6 set each to the following values. Leave RON set to "1".

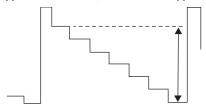


R ON: ON (1) G ON: OFF (0) B ON: OFF (0)

- Connect an oscilloscope probe to C Board, CN705 pin 3 (Red Out) (TP35).
- 6. Select SCON with 11 and 41

7. Adjust the value of SCON with 🗵 and 📵 for

 1.90 ± 0.05 Vpp for 27/29/32/34", or 1.95 ± 0.05 Vpp for 36/38".



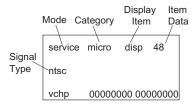
8. Reset AALS, ABLS, GON and BON values to "1".

R ON: ON (1) G ON: ON (1) B ON: ON (1)

9. Press MUTING then ENTER to save into the memory.

DISPLAY POSITION ADJUSTMENT (DISP)

- 1. Input a color-bar signal.
- 2. Set to Service Adjustment Mode.
- 3. Select DISP with 1 and 4.
- 4. Adjust values of DISP with 3 and 6 to adjust characters to the center.
- 5. Write to memory by pressing $\boxed{\text{MUTING}}$ then $\boxed{\text{ENTER}}$.
- 6. Check to see if the text is displayed on the screen.



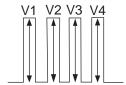
SUB BRIGHT ADJUSTMENT (SBRT)

- 1. Input a monoscope signal.
- 2. Activate the Service Adjustment Mode.
- 3. Set the PICTURE and BRIGHTNESS to minimum.
- 4. Select the SBRT item with 1 and 4.
- 5. Adjust the values of SBRT with 3 and 6 to obtain a faintly visible crosshatch.
- 6. Press MUTING then ENTER to save into the memory.

SUB HUE, SUB COLOR ADJUSTMENT (SHUE, SCOL)

- 1. Input color-bar signal at 75%.
- 2. Activate the Service Adjustment Mode.
- 3. Set (PIC) to Max and (COL) to 50%.
- 4. Connect an oscilloscope probe to C Board, CN705Pin 4 Blue Out.
- 5. Select the SHUE and SCOL item with 1 and 4.

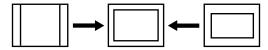
- 6. While showing the SHUE item, adjust the waveform with $\boxed{1}$ and $\boxed{4}$ until the second and third bars show the same level (V2 = V3 < 0.15Vp-p).
- 7. While showing the SCOL item, adjust the waveform with and until the first and fourth bars show the same level (V1 = V4 < 0.15Vp-p).



8. Press MUTING then ENTER to save into the memory.

V. SIZE ADJUSTMENT (VSIZ)

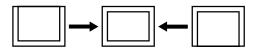
- 1. Input a crosshatch signal.
- 2. Activate the Service Adjustment Mode.
- 3. Select the VSIZ item with 1 and 4
- 4. Adjust value of VPOS with 1 and 4 for the best vertical center.
- 5. Press MUTING then ENTER to save into the memory.



V. CENTER ADJUSTMENT (VPOS)

Perform this adjustment after performing H. Frequency (Free Run) Check.

- 1. Input a crosshatch signal.
- 2. Activate the Service Adjustment Mode.
- 3. Select the VPOS item with 1 and 4.
- 4. Adjust value of VPOS with 3 and 6 for the best vertical center.
- 5. Press MUTING then ENTER to save into the memory.



H. CENTER ADJUSTMENT (HPOS)

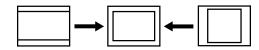
Perform this adjustment after performing H. Frequency (Free Run) Check.

- 1. Input a crosshatch signal.
- 2. Activate the Service Adjustment Mode.
- 3. Select the HPOS item with $\boxed{1}$ and $\boxed{4}$.
- 4. Adjust the value of HPOS with 3 and 6 for the best horizontal center.
- 5. Press MUTING then ENTER to save into the memory.



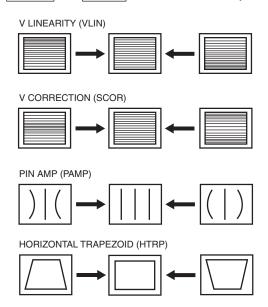
H. SIZE ADJUSTMENT (HSIZ)

- 1. Input a monoscope signal.
- 2. Activate the Service Adjustment Mode.
- 3. Select HSIZ with 1 and 4.
- 4. Adjust with 3 and 6 for the best horizontal size.
- 5. Press MUTING then ENTER to save into the memory.



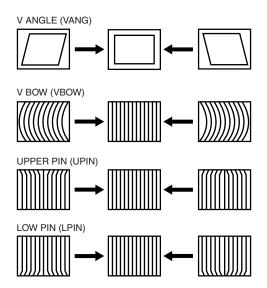
V. LINEARITY (VLIN), V. CORRECTION (SCOR), PIN AMP (PAMP), AND HORIZONTAL TRAPEZOID (HTRP) ADJUSTMENTS

- 1. Input a crosshatch signal.
- 2. Activate the Service Adjustment Mode.
- 3. Select VLIN, SCOR, PAMP, and HTRP with with 1 and 4.
- 4. Adjust with 3 and 6 for the best horizontal size.
- 5. Press MUTING then ENTER to save into the memory.



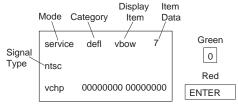
V. ANGLE (VANG), V. BOW (VBOW), UPPER PIN (UPIN) AND LOW PIN (LPIN) ADJUSTMENTS

- 1. Input a crosshatch signal.
- 2. Activate the Service Adjustment Mode.
- 3. Select VANG, VBOW, UPIN, and LPIN with 1 and 4.
- 4. Adjust with 3 and 6 for the best picture.
- 5. Press MUTING then ENTER to save into the memory.



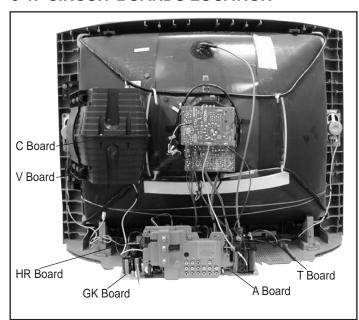
SERVICE ADJUSTMENT MODE MEMORY

1. After completing all adjustments, press then ENTER. Read From Memory



SECTION 5: DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION



5-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS INFORMATION

All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.

All electrolytics are in 50V unless otherwise specified.

All resistors are in ohms. $k\Omega=1000\Omega$, $M\Omega=1000k\Omega$

Indication of resistance, which does not have one for rating electrical power, is as follows: Pitch: 5mm

Rating electrical power: 1/4 W

¹/₄ W in resistance, ¹/₁₀ W and ¹/₈ W in chip resistance.

: nonflammable resistor

: fusible resistor Δ : internal component

: panel designation and adjustment for repair

上: earth ground ++ : earth-chassis

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

Readings are taken with a color-bar signal input.

Readings are taken with a $10M\Omega$ digital multimeter.

Voltages are DC with respect to ground unless otherwise noted.

Voltage variations may be noted due to normal production tolerances.

All voltages are in V.

S: Measurement impossibility.

: B+line

: B-line (Actual measured value may be different).

signal path (RF)

Circled numbers are waveform references.

The components identified by shading and extstyle exonly with part number specified.

The symbol indicates a fast operating fuse and is displayed on the component side of the board. Replace only with fuse of the same rating as marked.

Les composants identifies per un trame et une marque extstyle esecurite. Ne les remplacer que par une piece portant le numero specifie.

Le symbole indique une fusible a action rapide. Doit etre remplace par une fusible de meme yaleur, comme maque.

The components identified by M in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be necessary, replace only with the value originally used.

When replacing components identified by , make the necessary adjustments as indicated. If the results do not meet the specified value, change the component identified by M and repeat the adjustment until the specified value is achieved.

(Refer to R530 and R531 adjustment on page 16.)

When replacing the parts listed in the table below, it is important to perform the related adjustments.

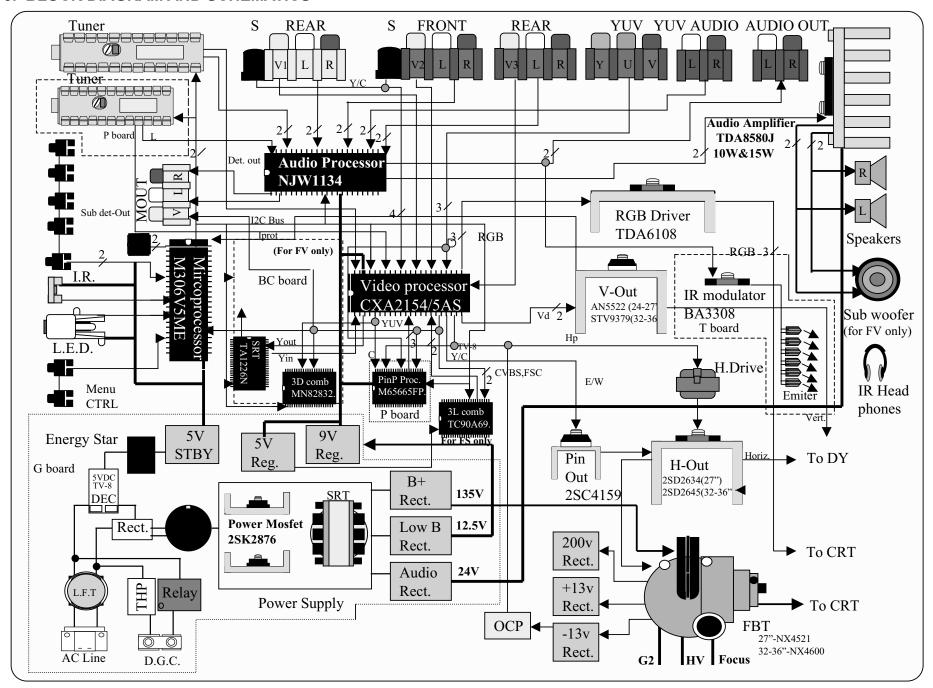
Part Replaced (◢)	Adjustment (█)		
A BOARD: R550, T503, T504, D519,	HV HOLD DOWN R530, R531		
IC501, R533, D521, R532, D520, C531, R529, R530, R531, C532			

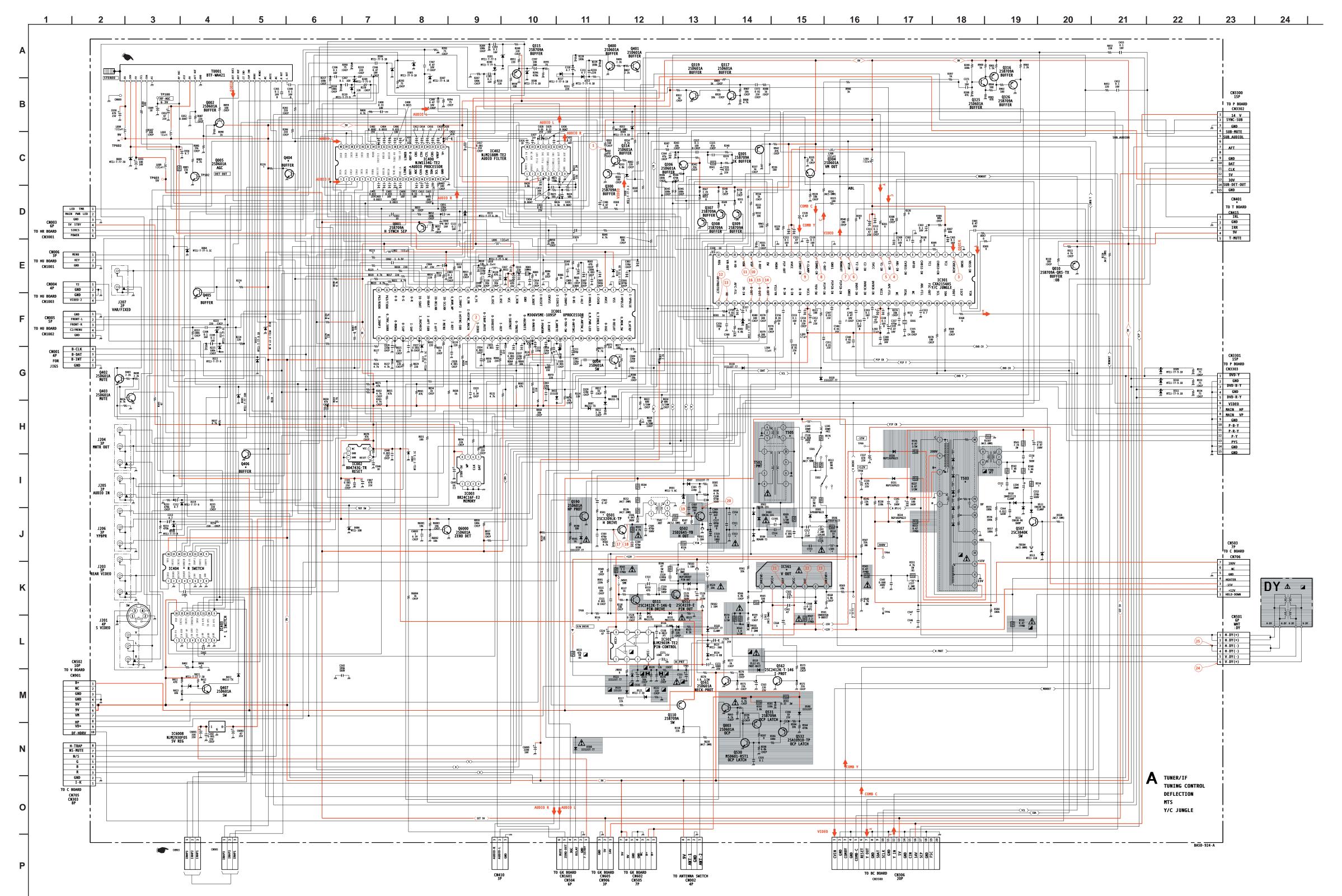
REFERENCE INFORMATION

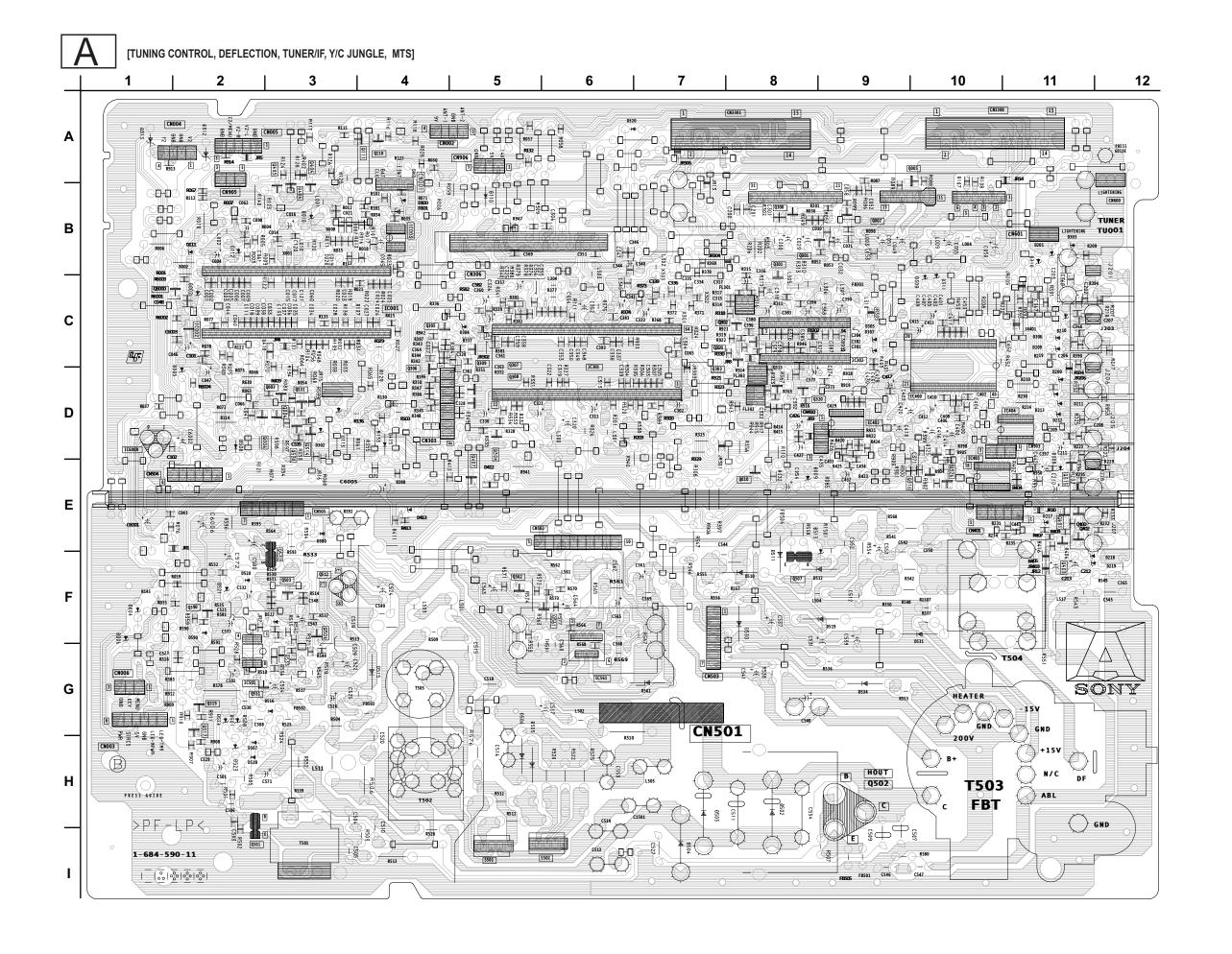
RESIST	OR	CAPACI	TOR
: RN	METAL FILM	: TA	TANTALUM
: RC	SOLID	: PS	STYROL
: FPRD	NONFLAMMABLE CARBON	: PP	POLYPROPYLENE
: FUSE	NONFLAMMABLE FUSIBLE	: PT	MYLAR
: RW	NONFLAMMABLE WIREWOUND	: MPS	METALIZED POLYESTER
: RS	NONFLAMMABLE METAL OXIDE	: MPP	METALIZED POLYPROPYLENE
: RB	NONFLAMMABLE CEMENT	: ALB	BIPOLAR
: 💥	ADJUSTMENT RESISTOR	: ALT	HIGH TEMPERATURE
		: ALR	HIGH RIPPLE
COIL			

: LF-8L MICRO INDUCTOR

5-3. BLOCK DIAGRAM AND SCHEMATICS

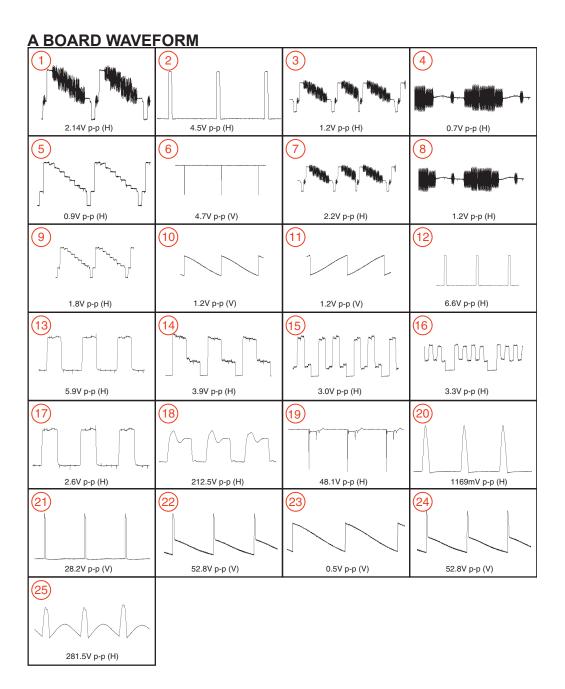






A BOARD LOCATOR LIST

DIODE		D501	G-2	TRANS	SISTOR
D002	C-2	D502	H-8	Q001	B-8
D004	F-1	D503	H-7	Q002	B-9
D005	D-2	D504	I-7	Q003	D-3
D006	F-1	D505	H-5	Q004	D-3
D007	B-4	D507	H-2	Q005	A-10
D008	B-3	D508	D-2	Q010	E-8
D009	E-8	D510	F-8	Q110	A-4
D010	B-3	D511	F-8	Q111	A-4
D110	B-5	D512	F-9	Q300	B-8
D111	B-2	D513	F-9	Q304	D-5
D112	B-2	D515	G-4	Q305	C-4
D113	D-3	D516	G-3	Q306	D-4
D200	D-11	D518	H-2	Q307	C-5
D201	B-11	D519	F-9	Q308	D-5
D209	C-11	D520	F-2	Q309	C-5
D210	C-11	D521	F-2	Q314	D-3
D211	D-11	D522	F-3	Q315	E-11
D212	D-11	D523	H-2	Q316	E-10
D213	D-11	D524	G-2	Q317	G-2
D217	E-11	D530	F-8	Q319	G-2
D218	F-12	D531	F-10	Q325	E-10
D219	F-12	D534	G-9	Q326	E-10
D302	D-3	D535	G-3	Q400	E-11
D303	B-11	D536	G-3	Q401	E-11
D304	C-5	D561	G-7	Q402	E-12
D305	C-9	D580	E-3	Q403	E-11
D306	C-11	D590	F-2	Q404	A-3
D307	C-9	I	С	Q405	A-3
D308	E-11	IC001	C-3	Q406	B-3
D309	B-10	IC002	C-2	Q407	E-5
D310	B-11	IC003	B-4	Q501	H-2
D311	B-10	IC301	C-6	Q502	H-9
D312	A-2	IC400	D-10	Q507	F-8
D313	A-1	IC402	D-9	Q511	G-3
D320	A-7	IC403	E-10	Q512	F-3
D410	C-2	IC404	D-11	Q530	D-3
D412	E-5	IC501	G-2	Q531	D-3
D413	E-4	IC561	G-6	Q532	F-3
D415	D-4	IC6008	D-1	Q561	F-6
				Q562	F-5
				Q590	F-2
				Q6000	C-1

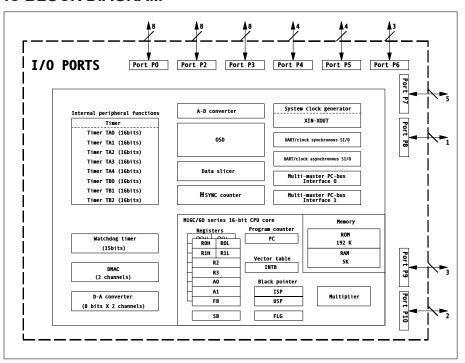


A BOARD MARK(*) LIST

		KV-27FV300		
REF. NO.	LOCATION	KV-29FV300	KV-32FV300	KV-36FV300
C442	K-3	#	0.22UF	0.22UF
C443	L-4	#	0.22UF	0.22UF
C511	I-13	17000PF	22000PF	22000PF
C512	I-19	0.0039UF	0.0027UF	0.0027UF
C513	J-13	0.047UF	0.051UF	0.051UF
C514	I-14	0.68UF	0.82UF	0.82UF
C516	J-15	1UF	0.82UF	0.82UF
C546	K-17	#	0.001UF	0.001UF
C547	K-17	#	0.001UF	0.001UF
C550	H-19	0.0015UF	680PF	680PF
C553	J-15	0.1UF	0.47UF	0.47UF
C554	I-13	2700PF	4700PF	4700PF
C1501	I-14	#	0.1UF	0.1UF
CN401	D-23	#	5P	5P
IC403	K-4	#	BU4051BCF-E2	BU4051BCF-E2
IC404	J-4	#	BU4051BCF-E2	BU4051BCF-E2
IC561	J-14	TDA8172	STV9379	STV9379
L505	J-15	150UH	68UH	68UH
Q404	C-5	#	2SD601A-QRS-TX	2SD601A-QRS-TX
Q405	E-4	#	2SD601A-QRS-TX	2SD601A-QRS-TX
Q406	H-5	#	2SD601A-QRS-TX	2SD601A-QRS-TX
R123	E-7	#	2.2K	2.2K
R124	E-4	#	220	220
R125	E-7	#	2.2K	2.2K
R126	C-5	#	220	220
R127	F-7	#	2.2K	2.2K
R128	G-5	#	220	220
R339	C-13	330K	39K	39K
R340	C-13	2.2M	3.3M	3.3M
R341	C-13	56K	330K	330K
R402	L-3	#	4.7K	4.7K
R404	L-4	#	4.7K	4.7K
R501	I-11	330	470	470
R504	I-12	68	560	560
R516	K-11	8.2K	5.6K	6.8K
R523	K-13	22K	12K	12K
R526	J-12	4.7	10	10
R554	I-19	15K	2.2K	#
R576	H-15	22	10	10
T503	I-18	8-598-834-20	8-598-824-10	8-598-824-10
T505	H-15	1-431-693-11	1-435-098-11	1-435-098-11

#: Not Mounted

IC BLOCK DIAGRAM



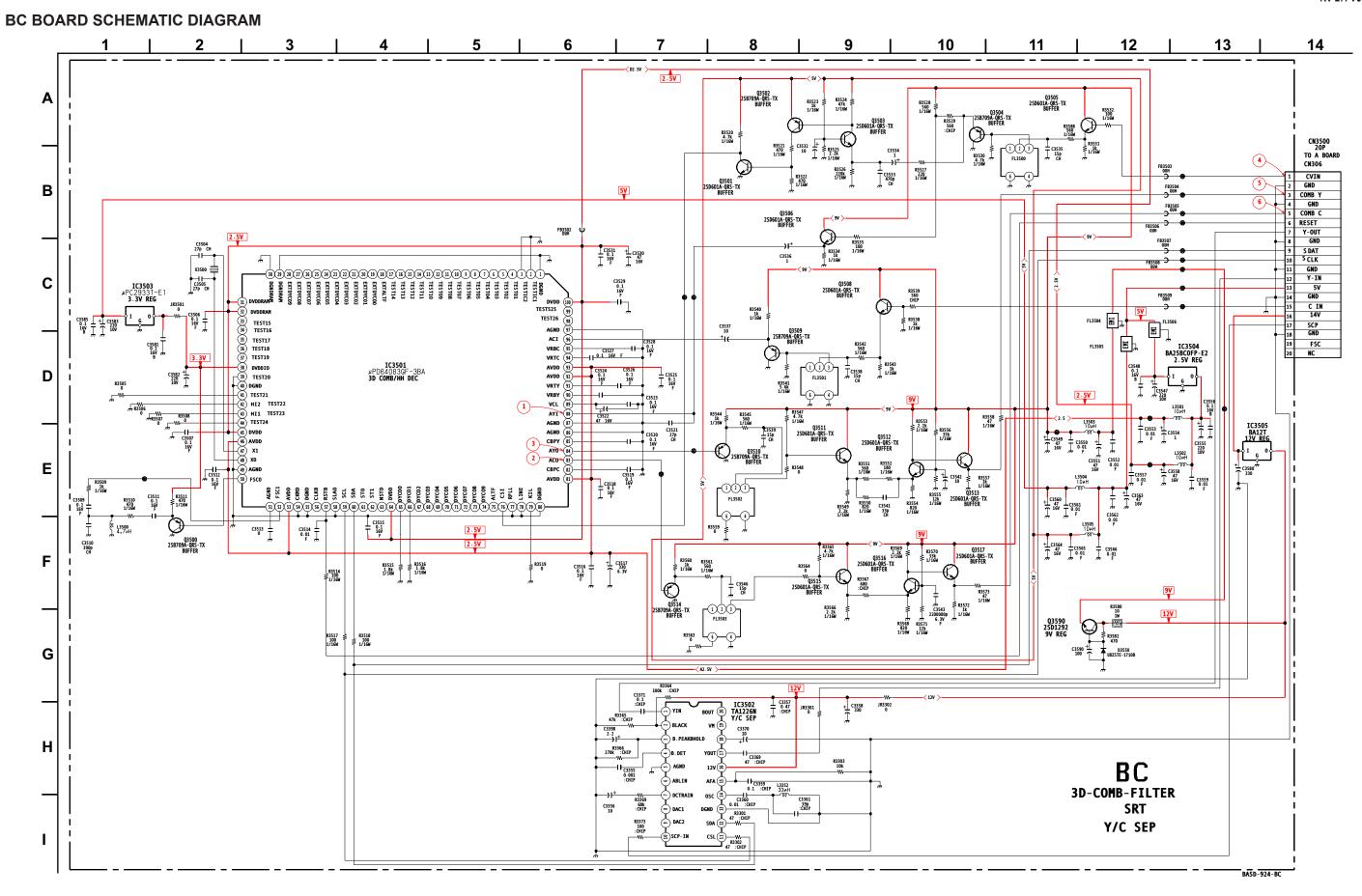
A BOARD IC VOLTAGE LIST

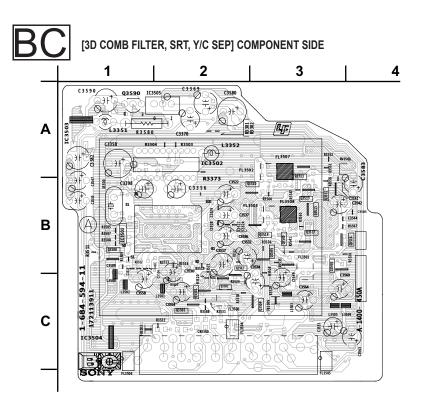
IC	001	41	5.0	IC:	301	41	4.6	17	1.7	IC4	403	5	2.3
PIN	VOLT	42	5.0	PIN	VOLT	42	4.6	18	4.7	PIN	VOLT	6	2.5
1	4.9	43	0.2	1	5.0	43	4.6	19	4.7	1	4.5	7	-13.5
2	0.6	44	0.6	2	GND	44	9.0	20	GND	2	GND	8	12.0
3	GND	45	1.2	3	5.0	45	0.1	21	9.0	3	4.5	IC:	561
4	5.0	46	4.8	4	5.0	46	4.3	22	4.4	4	0.0	PIN	VOLT
5	0.2	47	4.8	5	4.8	47	5.2	23	3.8	5	4.5	1	1.5
6	1.7	48	0.0	6	5.0	48	5.2	24	3.8	6	GND	2	12.0
7	1.4	49	0.1	7	4.8	49	GND	25	4.0	7	GND	3	-12.0
8	0.5	50	4.4	8	3.4	50	4.8	26	0.6	8	GND	4	-15.0
9	0.0	51	5.0	9	5.2	51	5.2	27	4.6	9	9.0	5	0.3
10	5.0	52	0.1	10	1.9	52	5.2	28	4.6	10	9.0	6	14.2
11	GND	53	0.0	11	0.0	53	9.1	29	4.6	11	9.0	7	1.4
12	5.0	54	4.8	12	4.8	54	5.3	30	4.6	12	4.5		800
13	2.3	55	0.1	13	9.0	55	N/C	31	4.6	13	4.5	PIN	VOLT
14	GND	56	0.0	14	0.0	56	1.7	32	4.6	14	4.5	I	7.5
15	2.1	57	4.8	15	4.8	57	N/C	33	4.6	15	4.5	0	5.0
16	5.0	58	N/C	16	4.9	58	6.9	34	4.6	16	9.0	G	GND
17	2.6	59	N/C	17	4.4	59	N/C	35	4.5	IC4	104	All voltages a	are in V.
18	2.6	60	0.0	18	0.0	60	4.7	36	4.5	PIN	VOLT		
19	0.3	61	0.1	19	3.8	61	4.7	37	4.5	1	4.5		
20	0.0	62	4.6	20	5.5	62	4.7	38	4.5	2	GND		
21	2.1	63	0.1	21	3.6	63	1.1	39	4.5	3	0.4		
22	5.0	64	N/C	22	5.8	64	5.1	40	4.5	4	0.4		
23	5.0		002	23	9.0		400		402	5	4.5		
24	5.0	PIN	VOLT	24	4.4	PIN	VOLT	PIN	VOLT	6	GND		
25	5.0	1	N/C	25	0.0	1	4.5	1	GND	7	0.0		
26	5.0	2	GND	26	4.1	2	4.5	2	0.3	8	GND		
27	5.0	3	GND	27	2.4	3	4.5	3	9.0	9	9.0		
28	0.0	4	5.0	28	3.5	4	4.5	4	4.5	10	9.0		
29	0.0	5	5.0	29	3.5	5	4.5	5	4.5	11	9.0		
30	0.0		003	30	5.9	6	4.5	6	4.5	12	4.5		
31	N/C	PIN	VOLT	31	5.5	7	4.5	7	4.5	13	4.5		
32	N/C	1	GND	32	7.6	8	4.5	8	GND	14	4.5		
33	4.8	2	GND	33	3.6	9	4.5	9	4.5	15	4.5		
34	0.0	3	GND	34	2.8	10	4.5	10	4.5	16	9.0		
35	0.0	4	GND	35	2.5	11	4.5	11	4.5		501		
36	0.0	5	5.0	36	3.9	12	4.5	12	4.5	PIN	VOLT		
37	0.0	6	5.0	37	1.5	13	4.5	13	4.5	1	-13.3		
38	4.2	7	0.0	38	1.6	14	4.5	14	4.5	2	8.2		
39	1.7	8	5.0	39	1.5	15	0.6	15	4.5	3	7.2		
40	2.6			40	0.0	16	1.7	16	4.5	4	-15.0		

A BOARD TRANSISTOR VOLTAGE LIST

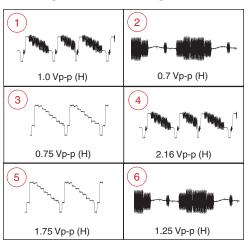
	В	С	Е		В	С	Е
Q001	0.0	0.4	5.0	Q400	0.0	0.0	GND
Q002	4.4	9.0	3.8	Q401	0.0	0.0	GND
Q003	0.7	0.0	GND	Q402	0.0	0.0	GND
Q004	0.0	4.3	GND	Q403	0.0	0.0	GND
Q005	0.1	4.9	GND	Q404	0.0	9.1	GND
Q010	4.3	GND	4.9	Q405	0.0	9.1	GND
Q110	4.8	0.0	5.0	Q406	0.0	9.1	GND
Q300	4.6	GND	5.2	Q407	0.7	0.0	GND
Q304	5.0	9.0	4.4	Q501	0.0	123.6	GND
Q305	5.0	0.0	3.4	Q502	0.0	131.8	0.0
Q306	2.0	9.0	2.3	Q507	0.3	110.7	GND
Q307	1.5	GND	2.2	Q511	-13.5	-8.4	-15.0
Q308	1.5	GND	2.2	Q512	-14.9	-2.0	-15.0
Q309	1.5	GND	2.2	Q530	0.0	4.4	GND
Q314	0.0	3.4	GND	Q531	4.4	0.0	4.4
Q315	3.4	GND	4.1	Q532	133.6	0.0	133.8
Q316	6.4	2.7	7.1	Q561	0.0	4.4	GND
Q317	0.0	3.9	GND	Q562	0.0	0.0	GND
Q319	0.6	0.6	GND	Q590	0.0	3.6	GND
Q325	2.6	6.4	1.9	Q6000	0.6	1.2	GND
Q326	2.7	GND	3.4	All voltages are in V.			

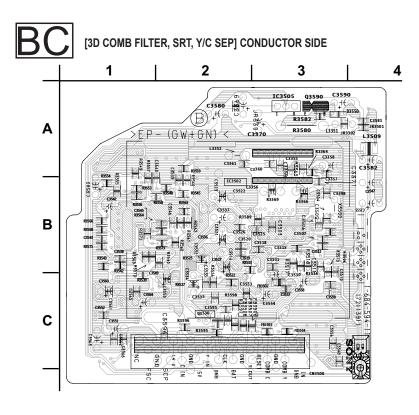
— 38 —





BC BOARD WAVEFORM





BC BOARD IC VOLTAGE LIST

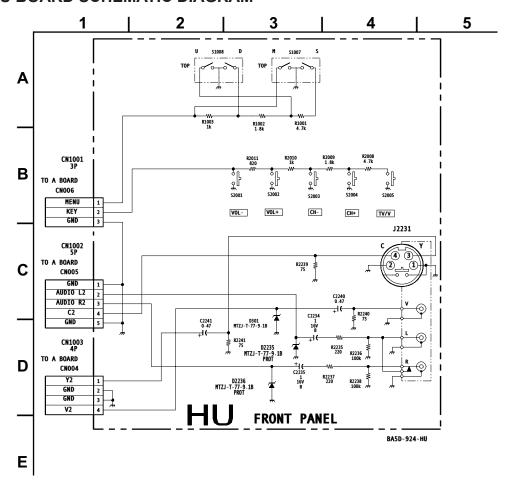
IC3	501	27	N/C	55	GND	83	1.4	9	N/C
PIN	VOLT	28	N/C	56	N/C	84	1.4	10	1.2
1	GND	29	GND	57	4.8	85	1.1	11	4.7
2	GND	30	GND	58	GND	86	GND	12	4.7
3	GND	31	2.5	59	4.7	87	0.0	13	0.0
4	N/C	32	2.5	60	4.7	88	1.1	14	11.5
5	N/C	33	N/C	61	N/C	89	0.7	15	4.8
6	N/C	34	N/C	62	N/C	90	0.7	16	12.0
7	N/C	35	N/C	63	N/C	91	1.3	17	0.0
8	N/C	36	N/C	64	2.5	92	2.5	18	0.5
9	N/C	37	N/C	65	0.0	93	2.5	19	N/C
10	N/C	38	3.3	66	0.0	94	0.0	20	N/C
11	N/C	39	GND	67	N/C	95	0.0	IC3	503
12	N/C	40	GND	68	N/C	96	1.1	PIN	VOLT
13	N/C	41	GND	69	N/C	97	GND	I	5.0
14	N/C	42	GND	70	N/C	98	N/C	0	3.3
15	N/C	43	GND	71	N/C	99	N/C	G	GND
16	N/C	44	GND	72	N/C	100	2.5	IC3	504
17	N/C	45	2.5	73	N/C	IC3	502	PIN	VOLT
18	N/C	46	2.5	74	N/C	PIN	VOLT	I	5.0
19	N/C	47	1.3	75	N/C	1	4.7	0	2.5
20	N/C	48	1.0	76	4.2	2	3.8	G	GND
21	N/C	49	GND	77	GND	3	3.9	IC3	505
22	N/C	50	1.4	78	GND	4	4.7	PIN	VOLT
23	N/C	51	GND	79	GND	5	GND	I	14.0
24	N/C	52	1.3	80	GND	6	N/C	0	12.0
25	N/C	53	2.5	81	2.5	7	4.8	G	GND
26	N/C	54	GND	82	1.1	8	N/C	All volta	iges are in V.

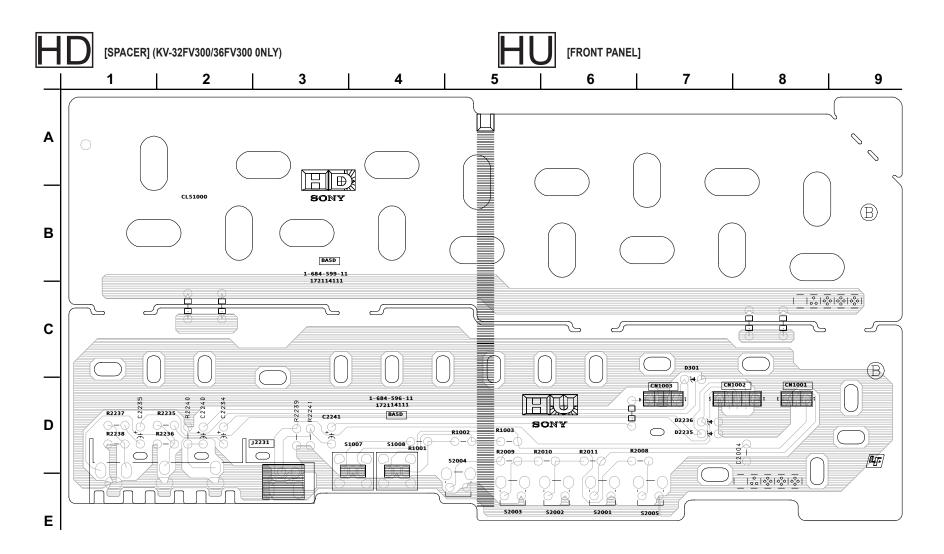
BC BOARD TRANSISTOR TABLE

	В	С	E		В	С	Е
Q3500	1.4	GND	2.1	Q3510	2.1	GND	1.4
Q3501	4.7	4.2	GND	Q3511	2.3	9.0	2.9
Q3502	4.7	0.5	5.0	Q3512	2.5	5.7	1.9
Q3503	3.3	4.7	3.5	Q3513	5.7	9.0	5.0
Q3504	3.3	GND	4.0	Q3514	1.4	GND	2.1
Q3505	4.3	9.0	3.7	Q3515	2.9	9.0	2.3
Q3506	6.2	9.0	5.6	Q3516	2.5	6.0	1.9
Q3508	2.4	9.0	1.8	Q3517	6.0	9.0	5.4
Q3509	1.7	GND	2.3	Q3590	10.2	11.3	9.0

All voltages are in V.

HU BOARD SCHEMATIC DIAGRAM





P BOARD SCHEMATIC DIAGRAM 5 10 6 TO A BOARD CN3300 C100 100 SYNC-SUB IC3390 NJM78M09FA 9V REG GND MUTE Q152 2SD601A-QRS-TX BUFFER Q151 2SB709A-QRS-TX BUFFER D104 HA111-TX SUB AUDIOL VCHIP PIPSW GND DAT CLK TU150 BTF-FA421 SUB-DET-OUT GND **SUB-TUNER** C3300 1 10V F: CHIP R3300 47k : CHIP D CN3303 15P TO A BOARD CN3301 DVD Y GND DVD B-Y GND DVD R-Y PIP VIDEO MAIN HP MAIN VP C3308 + 16V D3304 HTZJ-T-77-3.9B P RY P-Y P YS GND GND L3301 470#H C3304 470p 1 | R3318 10k | R3319 10k C3321 0.47 R3368 10V 10k F:CHIP :CHIP Q3305 2SD601A-QRS-TX DRIVE R3354 3 3N 1/16W R3328 = R3330 1k G Q3309 2SB709A-QRS-TX Y OUT PIP

P BOARD IC VOLTAGE LIST

IC3	301	11	GND	23	GND	35	0.8
PIN	VOLT	12	GND	24	0.9	36	0.8
1	0.2	13	3.3	25	3.3	37	2.3
2	GND	14	3.2	26	3.5	38	8.0
3	4.5	15	N/C	27	2.0	39	8.0
4	4.5	16	3.3	28	1.7	40	GND
5	3.3	17	1.0	29	GND	41	8.0
6	GND	18	1.0	30	GND	42	0.6
7	N/C	19	0.5	31	GND	IC3	390
8	GND	20	0.5	32	0.6	PIN	VOLT
9	N/C	21	1.6	33	0.0	I	14.0
10	GND	22	1.0	34	3.3	0	9.0
						G	GND

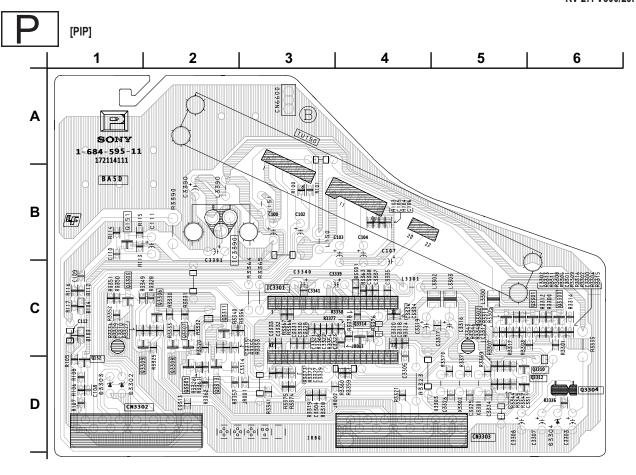
All voltages are in V.

P BOARD TRANSISTOR TABLE

	В	C	E
Q151	8.4	4.5	9.0
Q152	3.9	9.0	3.2
Q3300	2.3	5.0	1.7
Q3301	1.4	5.0	0.8
Q3302	1.4	5.0	0.8
Q3304	3.9	9.0	3.3
Q3305	0.7	0.1	GND
Q3307	0.8	GND	1.5
Q3308	0.7	GND	1.4
Q3309	0.6	GND	1.3
Q3310	0.5	0.6	GND
Q3312	0.2	2.7	GND

All voltages are in V.

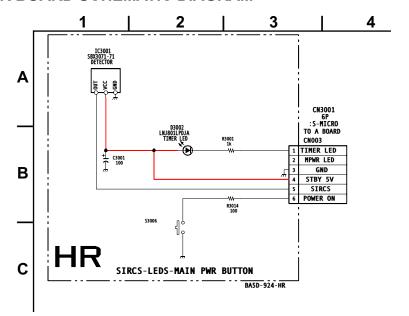
BA5D-924-P



P BOARD WAVEFORM



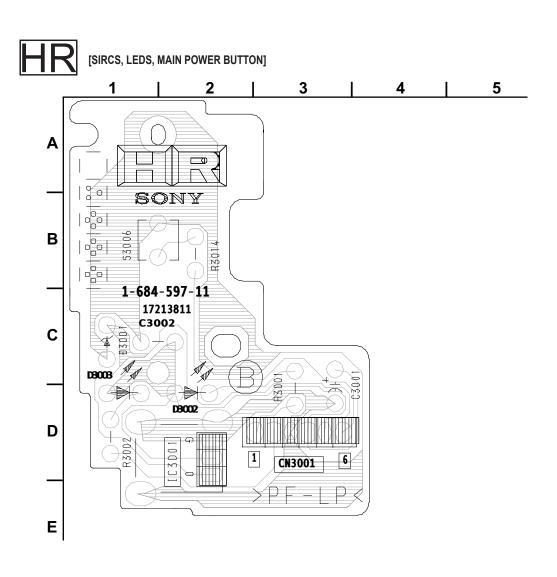
HR BOARD SCHEMATIC DIAGRAM



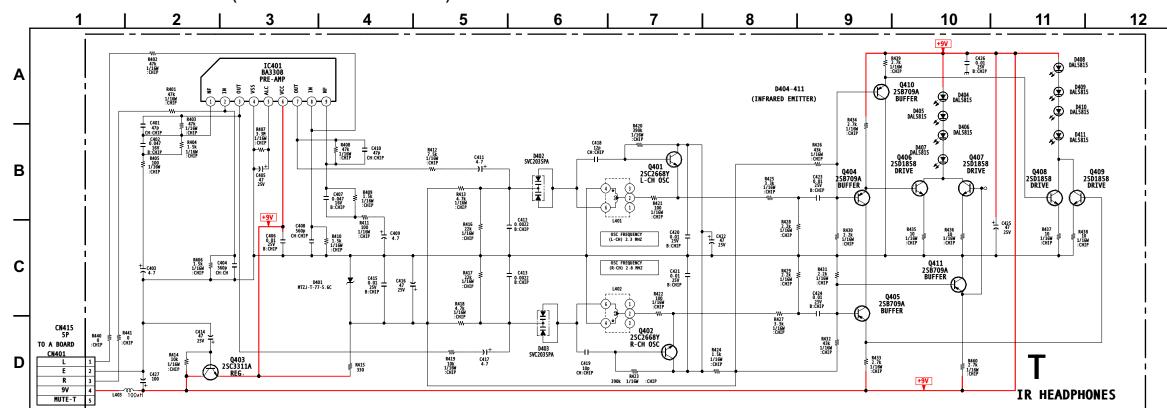
HR BOARD IC VOLTAGE TABLE

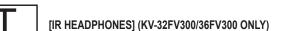
IC3001				
PIN VOLT				
I	5.0			
0	5.0			
G	GND			

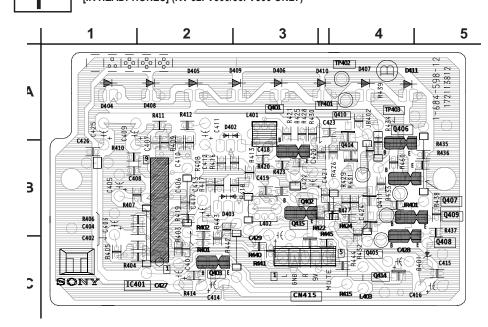
All voltages are in V.



T BOARD SCHEMATIC DIAGRAM (KV-32FV300/36FV300 ONLY)







T BOARD IC VOLTAGE TABLE

IC4	IC401						
PIN	VOLT						
1	1.9						
2	0.0						
3	1.9						
4	0.0						
5	1.2						
6	9.0						
7	1.9						
8	0.0						
9	1.9						

All voltages are in V.

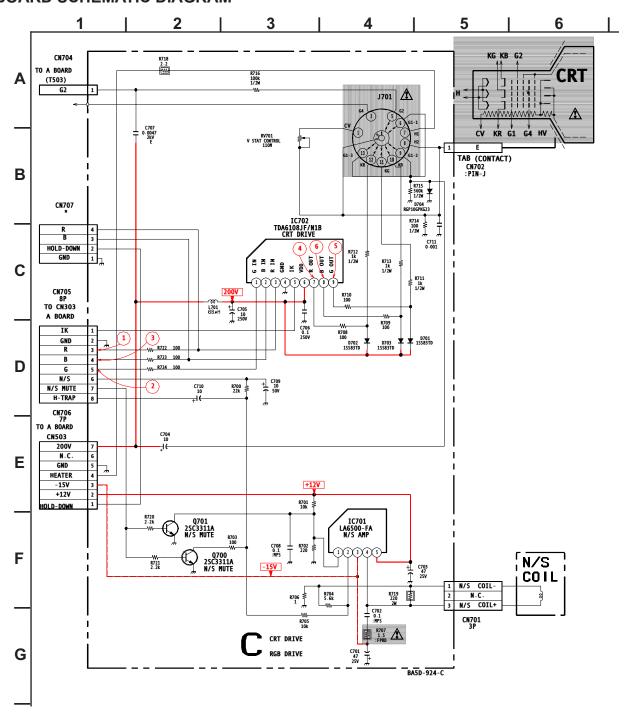
BA5D-924-T

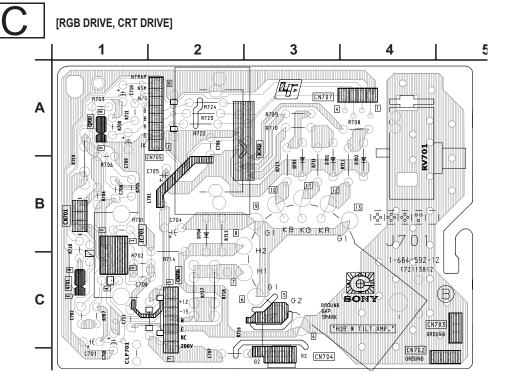
T BOARD TRANSISTOR TABLE

	В	С	E
Q401	0.1	3.4	0.8
Q402	0.1	3.4	0.8
Q403	8.3	9.0	9.0
Q404	1.0	0.0	0.4
Q405	1.0	0.0	0.4
Q406	1.0	2.9	0.5
Q407	1.0	2.9	0.5
Q408	1.0	2.9	0.5
Q409	1.0	2.9	0.5
Q410	1.0	0.0	0.5
Q411	1.0	0.0	0.5

All voltages are in V.

C BOARD SCHEMATIC DIAGRAM



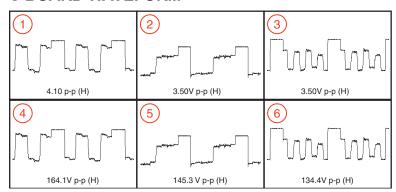


C BOARD IC VOLTAGE TABLE

IC7	701			
PIN	VOLT			
1	0.3			
2	0.3			
3	-13.0			
4	0.5			
5	12.0			
IC702				
PIN	VOLT			
1	2.2			
2				
	2.2			
3	2.2			
3	2.2			
3	2.2 GND			
3 4 5	2.2 GND 5.0			
3 4 5 6	2.2 GND 5.0 200.0			

All voltages are in V.

C BOARD WAVEFORM



C BOARD MARK(*) LIST

Ī			KV-27FV300	
			KV-29FV300	
	REF. NO.	LOCATION	KV-32FV300	KV-36FV300

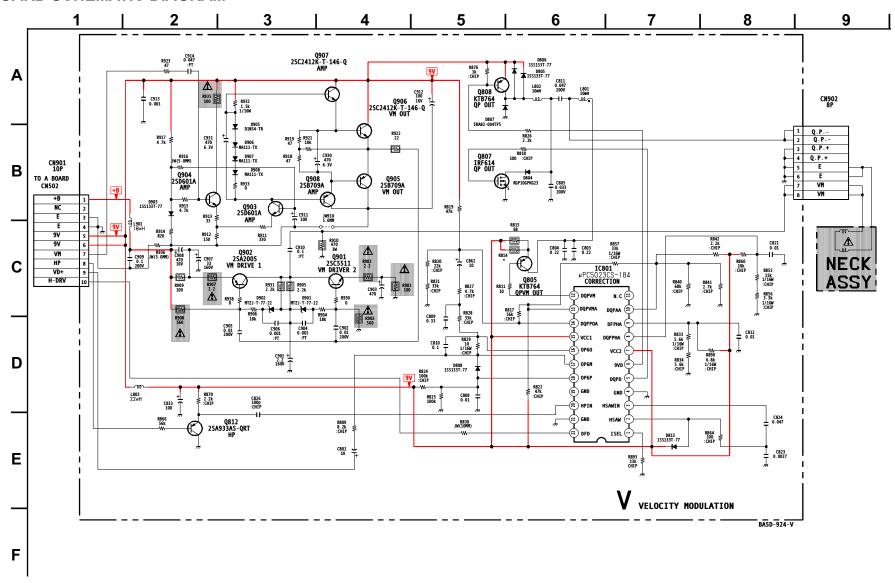
#: Not Mounted

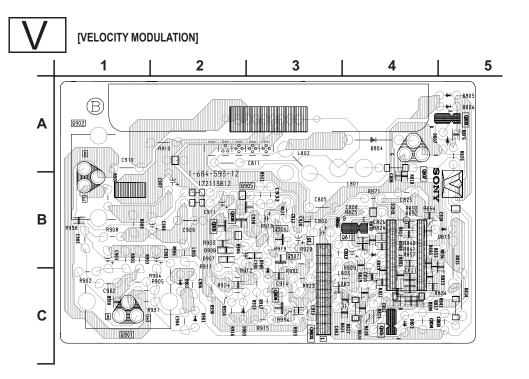
C BOARD TRANSISTOR TABLE

	В	С	Е
Q700	0.3	0.8	GND
Q701	0.3	0.3	GND

All voltages are in V.

V BOARD SCHEMATIC DIAGRAM





V BOARD MARK(*) LIST

			KV-27FV300	KV-32FV300	
	REF. NO.	LOCATION	KV-29FV300	KV-36FV300	
•	R814	C-6	#	68 1W	

V BOARD IC VOLTAGE LIST

IC	B01	11	N/C	
PIN	VOLT	12	35	
1	7.4	13	3.8	
2	2.3	14	4.5	
3	4.8	15	9.0	
4	GND	16	4.6	
5	6.3 17		4.6	
6	4.5	18	4.5	
7	9.0 19		N/C	
8	5.8	20	4.8	
9	9 4.6		GND	
10	4.8	22	0.3	

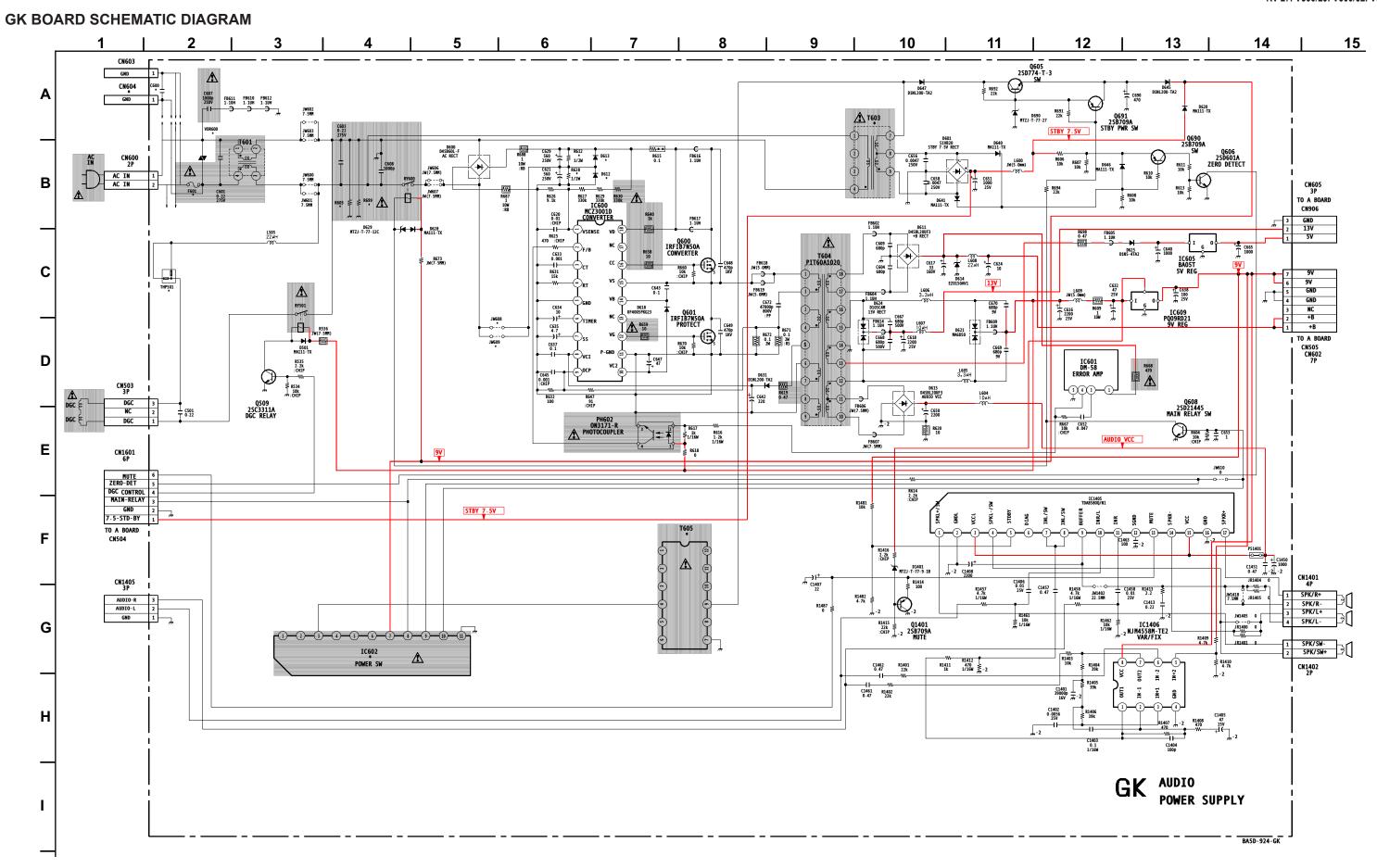
All voltages are in V.

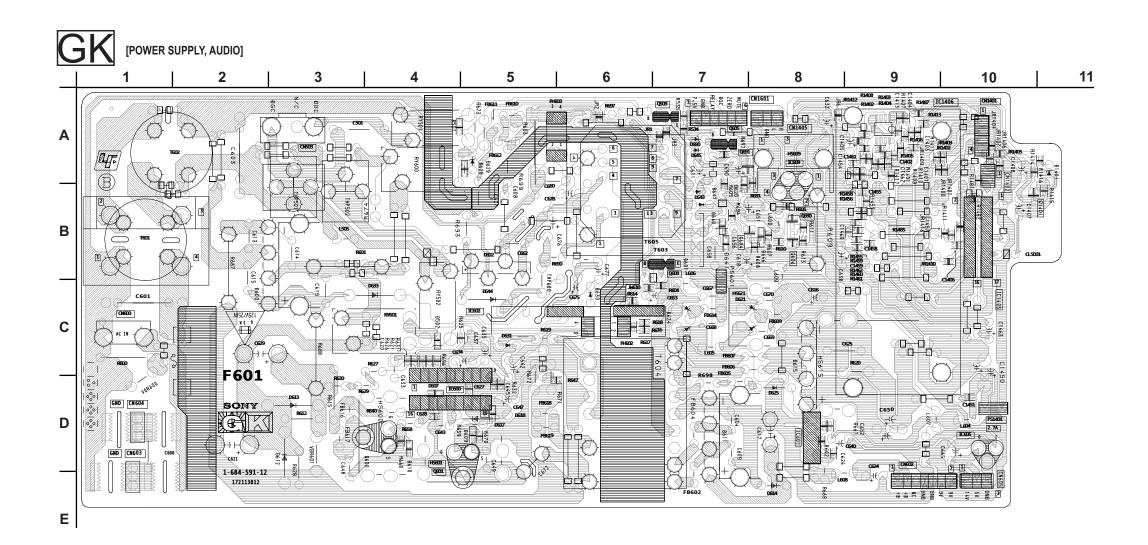
V BOARD TRANSISTOR TABLE

	В	C	Е	
Q805	3.5	1.8	4.2	
Q808	Q808 8.6		9.0	
Q812	Q812 1.3		2.0	
Q901	Q901 1.4		0.8	
Q902	132.9	67.0	133.4	
Q903	1.2	6.2	1.8 1.8	
Q904	1.2	8.8		
Q905	7.1	0.0	6.7	
Q906	7.4	9.0	7.1	
Q907	7.4	9.0	8.1	
Q908	6.9	0.0	6.2	

	D	G	S	
Q807	9.5	6.3	GND	

All voltages are in V.





GK BOARD LOCATOR LIST

DIOE)E	IC	
			0.40
D1401	A-11	IC1405	C-10
D501	A-5	IC1406	A-10
D600	C-2	IC600	D-5
D601	C-7	IC601	D-8
D611	D-7	IC602	C-5
D612	D-3	IC605	D-10
D613	D-3	IC609	A-8
D614	E-8	TRANSIS	STOR
D615	C-8	Q1401	B-11
D618	D-5	Q509	A-7
D620	B-7	Q600	D-4
D621	C-8	Q601	E-4
D624	C-7	Q605	A-7
D625	D-8	Q606	B-8
D628	A-5	Q608	C-7
D629	A-5	Q690	B-8
D631	C-5	Q691	A-8
D640	B-7		
D641	C-7		
D645	A-7		
D646	C-8		
D647	B-7		
D690	A-7]	

GK BOARD MARK(*) LIST

		KV-27FV300 KV-29FV300(N)			
REF. NO.	LOCATION	KV-32FV300	KV-29FV300(S)	KV-36FV300	
C600	A-1	#	0.0047UF 250V	#	
CN604	A-1	1P	#	1P	
D612	B-6	8-719-068-00	#	8-719-068-00	
D613	B-6	8-719-068-00	#	8-719-068-00	
F601	B-2	6.3A/125V	6.3A/250V	6.3A/125V	
IC602	G-4	G-4 # #		1-761-541-11	
JW608	D-5	7.5MM	#	7.5MM	
JW609	D-5	7.5MM	#	7.5MM	
R603	B-3	4.7M 1/2W	#	4.7M 1/2W	
R612	B-6	#	470K 1/2W	#	
R628	B-6	#	470K 1/2W	#	
R699	B-3	#	8.2M 1W	#	
T603	A-9	1-437-783-11	1-437-784-11	1-437-783-11	
T605	F-7	#	#	1-437-785-11	
THP501	C-1	1-804-313-11	1-803-540-11	1-803-629-11	
VDR600	A-2	1-803-585-11	1-803-967-11	1-803-585-11	

#: Not Mounted

GK BOARD IC VOLTAGE LIST

IC	600	IC	602	IC	605	9	11.0
PIN	VOLT	PIN	VOLT	PIN	VOLT	10	4.0
1	-154.0	1	N/C	I	6.1	11	3.9
2	-155.0	2	N/C	0	5.0	12	GND
3	-154.8	3	18.5	G	GND	13	0.4
4	-154.4	4	N/C	IC	609	14	9.9
5	-157.1	5	N/C	PIN	VOLT	15	14.0
6	-156.9	6	N/C	I	10.5	16	GND
7	-150.2	7	9.0	0	9.0	17	9.9
8	-138.8	8 0.0 G GND		G GND		406	
9	-157.1	9	0.6	IC1	405	PIN	VOLT
10	-146.9	10	0.6	PIN	VOLT	1	4.6
11	-157.1	11	GND	1	10.1	2	4.6
12	-152.3	IC	601	2	GND	3	4.6
13	N/C	PIN	VOLT	3	14.0	4	GND
14	7.0	1	134.6	4	10.1	5	4.6
15	-2.6	2	N/C	5 2.9 6 N/C		6	4.6
16	1.9	3	2.4			7	4.6
17	N/C	4	8.4	7	7 4.0		9.0
18	156.8	5	GND	8	4.0	All voltages	are in V.

GK BOARD TRANSISTOR TABLE

	В	С	E	
Q509	Q509 0.3		GND	
Q605	7.6	18.8	7.6	
Q606	0.0	0.5	GND	
Q608	0.6	0.0	GND	
Q690	6.1	0.5	5.9	
Q691	6.9	7.6	7.6	
Q1401	0.0	GND	0.6	

	D	G	S	
Q600	156.9	2.5	-2.5	
Q601	-2.6	-152.8	-157.4	

All voltages are in V.

5-4. SEMICONDUCTORS

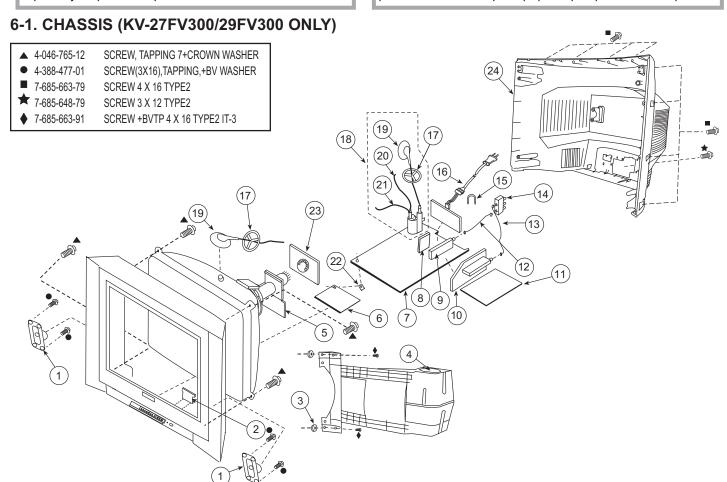
SEMICONDOCTOR				
2SB709A-QRS-TX 2SD601A-QRS-TX 2SC2412K-T-146-QR	2SC3209LK-TP 2SD774-T-34	2SD1858-Q-TV2 2SC3311A-QRSTA 2SD2144S-TP-UVW	2SC3840K LETTER SIDE C B	2SC4159-E
2SA10910-TPE2 E C B	IRF614	SVC203SPA-AL	IRFIB7N50A-LF31 2SC5511 2SA2005	DAL5815 CATHODE
D1NS4-TA2 D1NS4-TR ERA38-06TP1 ERA82-004TP5 1SS133T-77 MTZJ-T-77-3.6B MTZJ-T-77-3.9B MTZJ-T-77-6.2B MTZJ-T-77-6.8B	ERC06-15S MTZJ-T-77-5.1C MTZJ-T-77-5.6C MTZJ-T-77-9.1B MTZJ-T-77-9.1B MTZJ-T-77-30D RGP10-GPKG3 RGP02-17PKG23 RGP15GPKG23	EL1Z-V1 ERB44-06TP1 ERC04-06SE 1SS83TD 1N4003GA 1N4937/23 GP08DPKG23 PR1004GT RGP10GPKG23 RU4AM-T3	D10SC4M	MA111-TX UDZSTE-1710B
MTZJ-T-77-12C MTZJ-T-77-15B MTZJ-T-77-22	S1VB20	D4SB60L-F	2SC2668-YTP	MTZJ-T-77-27
2SA933AS-QRT				

SECTION 6: EXPLODED VIEWS

Components not identified by a part number or description are not stocked because they are seldom required for routine service.

The component parts of an assembly are indicated by the reference numbers in the far right column of the parts list and within the dotted lines of the diagram. * Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

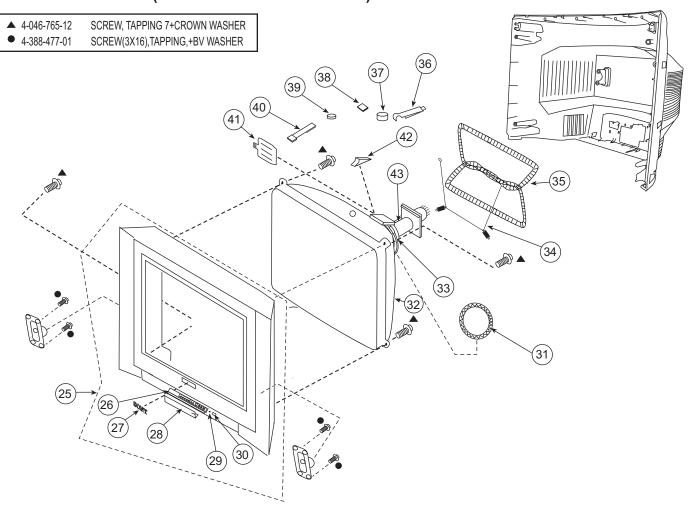
NOTE: The components identified by shading and \triangle mark are critical for safety. Replace only with part number specified.



	REF. NO.	PART NO.	DESCRIPTION [Assembly Includes]	REF. NO.	PART NO.	DESCRIPTION [Assembly Includes
	1	1-825-129-11	SPEAKER (6X12CM)	* 12	1-555-110-00	CABLE, P-P
*	2	A-1400-459-A	HR (COM) MOUNTED PC BOARD	* 13	1-558-539-21	CABLE, P-P
	3	4-374-745-31	CUSHION (A)	◆ △ 14	1-771-787-12	SWITCH, RF ANTENNA
	4	1-825-128-11	SPEAKER (10CM)	* 15	4-076-951-01	HINGE, PWB
*	5	A-1400-565-A	V (VAR) MOUNTED PC BOARD	△ 16	1-791-935-12	CORD, AC POWER(WITH CONNECTOR)
*	6	A-1400-451-A	HU MOUNTED PC BOARD			KV-27FV300/29FV300 (N)
*	7	A-1300-328-A	A COMPLETE PC BOARD	<u> </u>	1-769-796-31	CORD, POWER (WITH CONNECTOR)
			The high-voltage leads associated with the FBT on			KV-29FV300 (S)
			this board are not included and must be ordered	17	4-084-918-01	HOLDER, HV CABLE
			separately (SEE 19-21).	<u> </u>	1-453-310-11	FBT ASSY NX-4521//X4J4 (19-21)
*	8	A-1400-450-A	BC MOUNTED PC BOARD	△ 19	1-251-374-13	CAP ASSY, HIGH-VOLTAGE
	9	8-598-593-00	TUNER, FSS BTF-WA421	<u> </u>	1-900-800-82	WIRE ASSY, FOCUS
*	10	A-1400-456-A	P (VAR) MOUNTED PC BOARD	<u> </u>	1-900-803-22	WIRE ASSY, G2 LEAD
*	11	A-1400-452-A	GK (VAR) MOUNTED PC BOARD	* 22	3-696-606-02	HINGE, VI
			KV-27FV300/29FV300 (N)	* 23	A-1400-455-A	C (COM) MOUNTED PC BOARD
*	11	A-1400-608-A	GK (VAR) MOUNTED PC BOARD	24	4-087-777-01	COVER, REAR
			KV-29FV300 (S)			
			. ,			

NOTE: Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

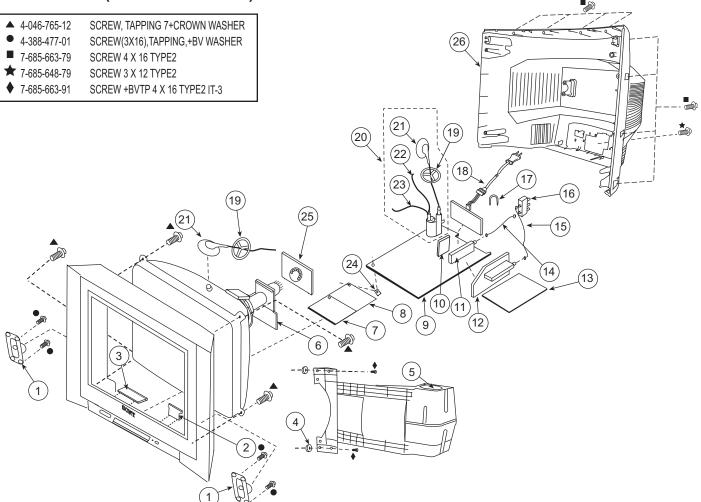
6-2. PICTURE TUBE (KV-27FV300/29FV300 ONLY)



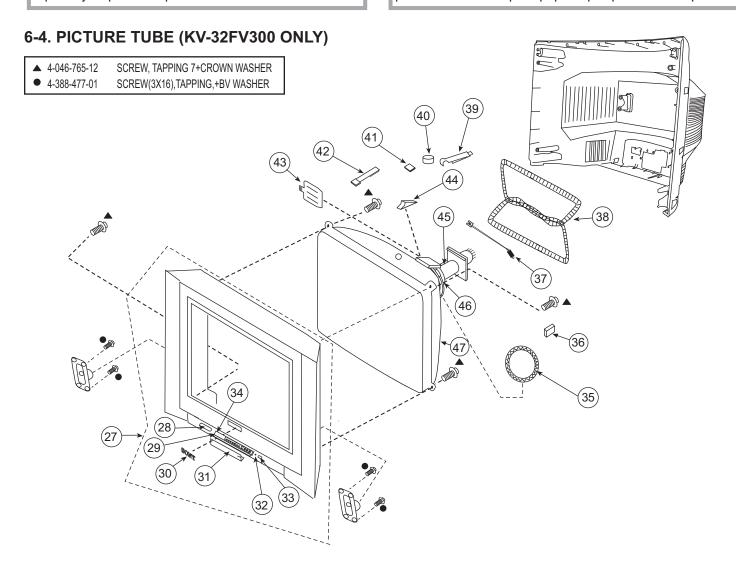
	REF. NO.	PART NO.	DESCRIPTION	[Assembly Includes]		REF. NO.	PART NO.	DESCRIPTION	([Assembly Includes]
	25	X-4040-177-1	BEZNET ASSY	(26-30)	\triangle	35	1-419-156-21	COIL, DEGAUSSING	
	26	4-087-374-01	SPRING, DOOR					KV-27FV300/29FV300 (N)	
	27	4-046-160-21	EMBLEM, SONY (NO.9)		\triangle	35	1-419-523-21	COIL, DEGAUSSING	
	28	4-087-375-11	DOOR, CONTROL					KV-29FV300 (S)	
	29	4-087-156-01	GUIDE, LIGHT		*	36	4-062-970-12	CLIP (29RSN), DGC	
	30	4-087-150-01	BUTTON, POWER			37	1-452-094-00	CIRCULAR DISC MAGNET	В
\triangle	. 31	1-452-896-11	COIL, NA ROTATION (RT2	200)		38	1-452-885-11	MAGNET, LANDING	
\triangle	. 32	8-735-082-05	CRT 29RSN(SDP)			39	1-452-032-00	MAGNET, DISC	
			KV-27FV300/29FV300 (N)			40	4-083-414-01	PIECE A(110), CONV CORF	RECT
\triangle	. 32	8-735-083-05	CRT 29RSN(SDP)(SOUTH	1)		41	4-081-170-01	PLATE, TLH CORRECTION	I
			KV-29FV300 (S)			42	4-053-005-01	SPACER, DY	
\triangle	. 33	8-451-494-41	DY Y29RSA-V		\triangle	43	8-453-011-11	NECK ASSEMBLY NA299-N	Л
	34	4-036-329-01	SPRING (B), TENSION						

NOTE: Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-3. CHASSIS (KV-32FV300 ONLY)



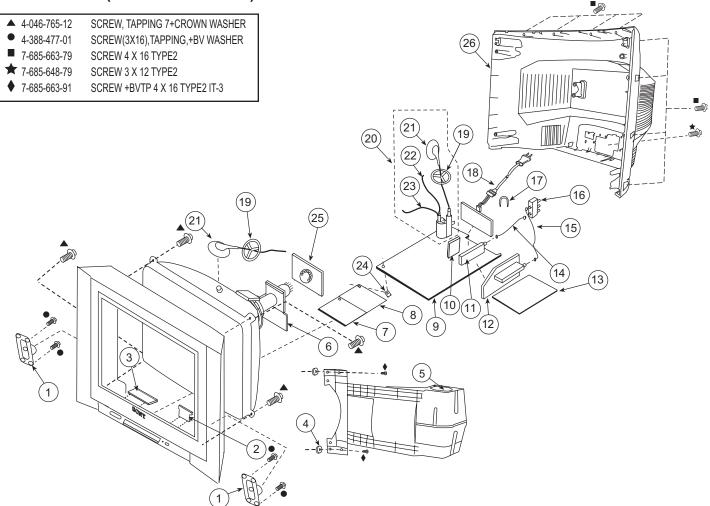
_	REF. NO.	PART NO.	DESCRIPTION	[Assembly Includes]		REF. NO.	PART NO.	DESCRIPTION	([Assembly Includes]
	1	1-825-129-11	SPEAKER (6X12CM)		*	13	A-1400-452-A	GK (VAR) MOUNTED PC BC)ARD
*	2	A-1400-459-A	HR (COM) MOUNTED F	C BOARD	*	14	1-555-110-00	CABLE, P-P	
*	3	A-1400-460-A	T MOUNTED PC BOAR)	*	15	1-558-539-21	CABLE, P-P	
	4	4-374-745-31	CUSHION (A)			16	1-771-787-12	SWITCH, RF ANTENNA	
	5	1-825-128-11	SPEAKER (10CM)		*	17	4-076-951-01	HINGE, PWB	
*	6	A-1400-461-A	V (VAR) MOUNTED PC	BOARD	\triangle	18	1-791-935-12	CORD, AC POWER(WITH C	ONNECTOR)
*	7	A-1400-451-A	HU MOUNTED PC BOA	RD		19	4-084-918-01	HOLDER, HV CABLE	
*	8	A-1400-607-A	HD MOUNTED PC BOA	RD	\triangle	20	1-453-338-31	FBT ASSY NX-4600//X4C4	(21-23)
*	9	A-1300-278-A	A COMPLETE PC BOAF	RD	\triangle	21	1-251-715-22	CAP ASSY, HIGH-VOLTAGE	
			The high-voltage leads a	ssociated with the FBT on this	\triangle	22	1-900-805-19	WIRE ASSY, FOCUS HV	
			board are not included a	nd must be ordered separately	\triangle	23	1-900-805-22	CONNECTOR ASSY, G2 HV	
			(SEE 21-23).		*	24	3-696-606-02	HINGE, VI	
*	10	A-1400-450-A	BC MOUNTED PC BOA	RD	*	25	A-1400-455-A	C (COM) MOUNTED PC BO	ARD
	11	8-598-593-00	TUNER, FSS BTF-WA42	21		26	4-087-878-01	COVER, REAR	
*	12	A-1400-456-A	P (VAR) MOUNTED PC	BOARD					



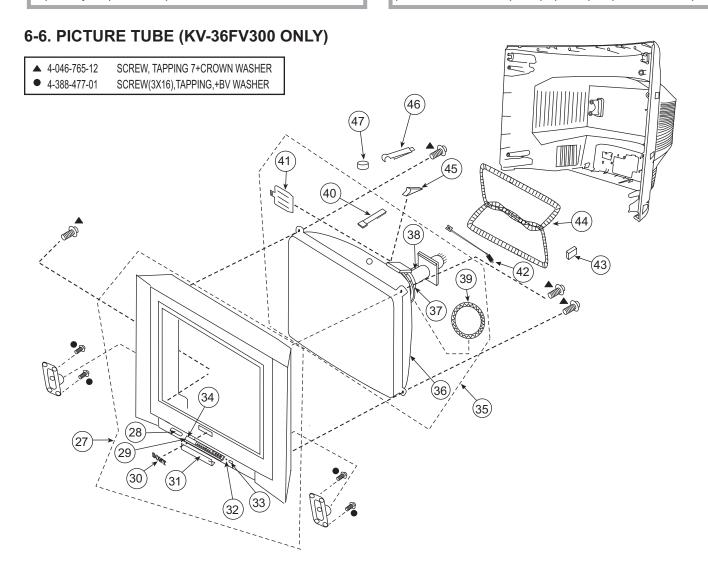
	REF. NO.	PART NO.	DESCRIPTION	[Assembly Includes]	REF. NO	. PART NO.	DESCRIPTION	([Assembly Includes]
	27	X-4040-115-1	BEZNET ASSY	(28-34)	<u> </u>	1-428-988-11	DEGAUSSING COIL (32"	120V)
	28	4-086-887-01	PANEL, IR		39	4-065-895-11	HOLDER, DGC	
	29	4-087-374-01	SPRING, DOOR		40	1-452-032-00	MAGNET,DISC	
	30	4-046-160-21	EMBLEM, SONY (NO.9)		41	1-452-885-11	MAGNET, LANDING	
	31	4-087-375-11	DOOR, CONTROL		42	4-083-414-01	PIECE A(110), CONV CO	RRFCT
	32	4-087-156-01	GUIDE, LIGHT		43	4-081-170-01	PLATE, TLH CORRECTION	
	33	4-087-150-01	BUTTON, POWER		44	4-053-005-01	SPACER, DY	
	34	4-036-880-11	DAMPER		<u> </u>	8-453-007-41	NECK ASSEMBLY NA324	1-M4
Λ	35	1-452-896-11	COIL, NA ROTATION (RT2)	00)	<u> </u>	8-451-499-41	DY Y34RSA-V	
*	36	4-078-952-01	CUSHION, 20MM X 20MM	,	<u> </u>	8-735-066-05	CRT 34RSN(SDP)	
	37	4-082-641-01	SPRING 45MM			0 100 000 00	orti omtori(obi)	

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-5. CHASSIS (KV-36FV300 ONLY)



	REF. NO.	PART NO.	DESCRIPTION	[Assembly Includes]	F	EF. NO.	PART NO.	DESCRIPTION	([Assembly Includes]
	1	1-825-129-11	SPEAKER (6X12CM)	*	13	A-1400-583-A	GK (VAR) MOUNTED PC	BOARD
*	2	A-1400-459-A	HR (COM) MOUNTE	D PC BOARD	*	14	1-555-110-00	CABLE, P-P	
*	3	A-1400-460-A	T MOUNTED PC BO	ARD	*	15	1-558-539-21	CABLE, P-P	
	4	4-374-745-31	CUSHION (A)	(16	1-771-787-12	SWITCH, RF ANTENNA	
	5	1-825-128-11	SPEAKER (10CM)		*	17	4-076-951-01	HINGE, PWB	
*	6	A-1400-581-A	V (VAR) MOUNTED	PC BOARD	\wedge	18	1-791-935-12	CORD, AC POWER(WITH	CONNECTOR)
*	7	A-1400-451-A	HU MOUNTED PC B	OARD		19	3-704-372-71	HOLDER, HV CABLE	·
*	8	A-1400-607-A	HD MOUNTED PC B	OARD	\wedge	20	1-453-338-21	FBT ASSY NX-4600//X4C	4 (21-23)
*	9	A-1300-336-A	A COMPLETE PC BO	DARD	\triangle	21	1-251-715-32	CAP ASSY, HIGH-VOLTA	GE
			The high-voltage lead	ds associated with the FBT on	\triangle	22	1-900-805-19	WIRE ASSY, FOCUS HV	
			this board are not inc	luded and must be ordered	\triangle	23	1-900-805-22	CONNECTOR ASSY, G2	HV
			separately (SEE 21-2	23).	*	24	3-696-606-02	HINGE, VI	
*	10	A-1400-450-A	BC MOUNTED PC B	OARD	*	25	A-1400-580-A	C (VAR) MOUNTED PC B	OARD
	11	8-598-593-00	TUNER, FSS BTF-W	'A421		26	4-086-697-01	COVER, REAR	
*	12	A-1400-456-A	P (VAR) MOUNTED	PC BOARD					



_	REF. NO.	PART NO.	DESCRIPTION	[Assembly Includes]		REF. NO.	PART NO.	DESCRIPTION	([Assembly Includes]
	27	X-4039-673-1	BEZNET ASSY	(27-34)	\triangle	37	1-451-531-11	DY	
	28	4-086-887-01	PANEL, IR					KV-36FV300 (U) (CND)	
	29	4-087-374-01	SPRING, DOOR		\triangle	37	8-451-506-11	DY Y38RSA-X	
	30	4-046-160-21	EMBLEM, SONY (NO.9)					KV-36FV300 (HAWAII)	
	31	4-087-375-11	DOOR, CONTROL		\triangle	38	8-453-007-41	NECK ASSEMBLY, NA324-N	Л4
	32	4-087-156-01	GUIDE, LIGHT			39	1-452-896-11	COIL, NA ROTATION (RT20	
	33	4-087-150-01	BUTTON, POWER			40	4-062-047-02	PIECE A(110), CONV CORF	,
	34	4-036-880-11	DAMPER			41	4-081-170-01	PLATE, TLH CORRECTION	
\triangle	35	8-735-048-61	ITC 38RSN-A1	(36-41)		42	4-082-641-01	SPRING, 45MM	
			KV-36FV300 (U) (CND)		*	43	4-078-952-01	CUSHION, 20MM X 20MM	
\triangle	35	8-735-081-61	ITC 38RSN-A1M	(36-41)	\triangle	44	1-428-987-11	DEGAUSSING COIL (36" 12	20V)
			KV-36FV300 (HAWAII)			45	4-053-005-01	SPACER, DY	,
\triangle	36	8-735-045-05	CRT 38RSN/F73504801			46	4-065-895-11	HOLDER, DGC	
			KV-36FV300 (U) (CND)			47	1-452-032-11	MAGNET.DISC	
\triangle	36	8-735-081-05	CRT 38RSN				02 002		
			KV-36FV300 (HAWAII)						

SECTION 7: ELECTRICAL PARTS LIST

NOTE: The components identified by shading and \triangle mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components in this manual identified by the following symbol:

indicate parts that have been carefully factory-selected to satisfy regulations regarding X-ray radiation For each set.

Should replacement be required for one of these components, replace only with the value originally used.

RESISTORS

- · All resistors are in ohms
- F: nonflammable
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When ordering parts by reference number, please include the board name.

REF. NO.	PART NO.	DESCRIPTION	VALUE	S		REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
						C006	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
Λ						C007	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
						C008	1-126-960-11	ELECT	1µF	20%	50V
						C009	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
*	A-1300-278-A (KV-32FV300 C	A BOARD, COMPL ONLY)	ETE.			C014	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
*	4 4000 000 4	4 00400 0040				C015	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
•		A BOARD, COMPL	.EIE			C016	1-126-941-11	ELECT	470µF	20%	25V
	(KV-2/FV300/2	9FV300 ONLY)				C017	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
*	Δ-1300-336-Δ	A BOARD, COMPL	FTF			C018	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
	(KV-36FV300 C					C020	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
	4-382-854-11	SCREW (M3X10), P, S	SW (+)			C026	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
	1 002 001 11	CONEW (MOXIO), 1,	J (·)			C027	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
The high-v	oltane leads associa	ated with the FBT on the	Δ hoard are i	not includ	led and	C028	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
•	•	Order the following leads				C029	1-126-960-11	ELECT	1µF	20%	50V
	ucicu separatery. C	order the following leads	wiicii icquco	ung uno	A board.	C030	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
<u>^</u>	1-251-374-13	HV CAP ASSY				0024	1 164 020 11	CEDAMIC CHID	2205	E0/	50V
<u>^</u>	1-900-800-82	FOCUS LEAD				C031 C032	1-164-230-11 1-126-964-11	CERAMIC CHIP ELECT	220pF 10µF	5% 20%	50V 50V
<u> </u>	1-900-803-22	G2 LEAD									
	(KV-27FV300/2	9FV300 ONLY)				C033 C034	1-125-837-91 1-162-964-11	CERAMIC CHIP CERAMIC CHIP	1μF 0.001μF	10%	6.3V 50V
A		10/015 100/				C034 C035				10% 10%	50V 50V
<u>^</u>	1-251-715-22 1-900-805-19	HV CAP ASSY FOCUS LEAD					1-162-964-11	CERAMIC CHIP	0.001µF		
<u> </u>	1-900-805-22	G2 LEAD				C036	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
	(KV-32FV300 C	ONLY)				C037	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
						C038	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
<u> </u>	1-251-715-32	HV CAP ASSY				C039	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
\triangle	1-900-805-19	FOCUS LEAD				C041	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
<u> </u>	1-900-805-22	G2 LEAD									
	(KV-36FV300 C	ONLY)				C043	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
						C044	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
						C045	1-126-964-11	ELECT	10µF	20%	50V
	CAPACITOR					C046	1-126-964-11	ELECT	10µF	20%	50V
						C047	1-126-941-11	ELECT	470µF	20%	25V
C001	1-164-315-11	CERAMIC CHIP	470pF	5%	50V						
C002	1-164-230-11	CERAMIC CHIP	220pF	5%	50V	C048	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V
C003	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C049	1-126-964-11	ELECT	10µF	20%	50V
C004	1-126-947-11	ELECT	47µF	20%	25V	C050	1-126-941-11	ELECT	470µF	20%	25V
C005	1-164-739-11	CERAMIC CHIP	560pF	5%	50V	C051	1-126-947-11	ELECT	47µF	20%	25V
						C052	1-162-968-11	CERAMIC CHIP	0.0047µF		50V
						1					

^{*} Items marked with an asterisk are not stocked since they are seldom required For routine service. Expect some delay when ordering these components.



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES	3	
C054	1-126-963-11	ELECT	4.7µF	20%	50V	C340	1-126-767-11	ELECT	1000µF	20%	16V
C055	1-126-933-11	ELECT	100µF	20%	16V	C341	1-126-947-11	ELECT	47µF	20%	25V
C060	1-164-230-11	CERAMIC CHIP	220pF	5%	50V	C343	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C062	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V	C344	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C065	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	C345	1-113-619-11	CERAMIC CHIP	0.47µF	,.	10V
0000	1 120 001 11	or a mile or m	0. 17 pi	1070		0010	1 110 010 11	or will or m	υ μ.		101
C101	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V	C346	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C102	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V	C347	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C111	1-164-230-11	CERAMIC CHIP	220pF	5%	50V	C351	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C120	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V	C352	1-126-947-11	ELECT	47µF	20%	25V
C121	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V	C353	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
0400	4 407 000 44	OEDAMIO OLUD	0.4.5	400/	40)/	0054	4 400 070 44	OEDANIO OLUD	0.04 5	400/	051/
C122	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C354	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C133	1-164-230-11	CERAMIC CHIP	220pF	5%	50V	C355	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C200	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C356	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C201	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C357	1-126-960-11	ELECT	1µF	20%	50V
C202	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C358	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C203	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C359	1-162-961-11	CERAMIC CHIP	330pF	10%	50V
C206	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C360	1-126-960-11	ELECT	1µF	20%	50V
C207	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C364	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C208	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C365	1-162-117-00	CERAMIC	100pF	10%	500V
C209	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C366	1-113-619-11	CERAMIC CHIP	0.47µF		10V
			p						• • • • • • • • • • • • • • • • • • • •		
C210	1-126-963-11	ELECT	4.7µF	20%	50V	C367	1-113-619-11	CERAMIC CHIP	0.47µF		10V
C211	1-126-963-11	ELECT	4.7µF	20%	50V	C368	1-113-619-11	CERAMIC CHIP	0.47µF		10V
C212	1-126-963-11	ELECT	4.7µF	20%	50V	C371	1-115-156-11	CERAMIC CHIP	1µF		10V
C213	1-126-963-11	ELECT	4.7µF	20%	50V	C372	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C300	1-126-959-11	ELECT	0.47µF	20%	50V	C393	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C302	1-126-963-11	ELECT	4.7µF	20%	50V	C397	1-126-933-11	ELECT	100µF	20%	16V
C303	1-120-303-11	CERAMIC CHIP	0.1μF	10%	16V	C400	1-128-934-91	CERAMIC CHIP	0.33µF	20%	10V
C305	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C400	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V
C309	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C401	1-164-174-11	CERAMIC CHIP		10%	25V
C303	1-107-020-11	ELECT	47μF	20%	25V	C402	1-162-967-11	CERAMIC CHIP	0.0002µi		50V
0311	1-120-341-11	LLLOI	47 μι	20 /0	237	0400	1-102-307-11	CLIVAINIC OTIII	0.0033μι	10 /0	J0 V
C313	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C404	1-162-967-11	CERAMIC CHIP	0.0033µF	10%	50V
C319	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C405	1-164-677-11	CERAMIC CHIP	0.033µF	10%	16V
C320	1-126-959-11	ELECT	0.47µF	20%	50V	C406	1-164-677-11	CERAMIC CHIP	0.033µF	10%	16V
C321	1-126-947-11	ELECT	47µF	20%	25V	C407	1-162-965-11	CERAMIC CHIP	0.0015µF	10%	50V
C322	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C408	1-162-965-11	CERAMIC CHIP	0.0015µF	10%	50V
C325	1-162-923-11	CERAMIC CHIP	47pF	5%	50V	C409	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C326	1-164-373-11	CERAMIC CHIP	0.033µF	J /0	25V	C409	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
	1-104-373-11	CERAMIC CHIP		10%	16V	C410	1-128-934-91	CERAMIC CHIP	-	20%	10V
C327 C330	1-107-020-11	ELECT	0.1μF 10μF	20%	50V	C411	1-126-934-91 1-126-961-11	ELECT	0.33µF 2.2µF	20%	50V
			-						-		
C333	1-126-963-11	ELECT	4.7µF	20%	50V	C413	1-126-960-11	ELECT	1μF	20%	50V
C335	1-162-918-11	CERAMIC CHIP	18pF	5%	50V	C414	1-126-960-11	ELECT	1µF	20%	50V
C337	1-164-315-11	CERAMIC CHIP	470pF	5%	50V	C415	1-126-960-11	ELECT	1μF	20%	50V
C338	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C416	1-126-960-11	ELECT	1μF	20%	50V
C339	1-113-619-11	CERAMIC CHIP	0.47µF		10V	C417	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V
									•		



REF. NO.	PART NO.	DESCRIPTION	ESCRIPTION VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES			
C418	1-126-963-11	ELECT	4.7µF	20%	50V		C515	1-104-987-11	MYLAR	0.001µF	10%	100V
C420	1-126-960-11	ELECT	1μF	20%	50V	<u>^</u> !\	C516	1-115-521-11	FILM	0.82µF	5%	250V
C422	1-126-935-11	ELECT	470µF	20%	16V			(KV-32FV300/36F	V300 ONLY)			
C426	1-126-964-11	ELECT	10μF	20%	50V	<u>^</u>	C516	1-115-522-11	FILM	1μF	5%	250V
C427	1-126-964-11	ELECT	10μF	20%	50V			(KV-27FV300/29F	V300 ONLY)			
C428	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C517	1-107-649-11	ELECT	2.2µF	20%	250V
C429	1-102-370-11	CERAMIC CHIP	0.01µl 0.22µF	10%	16V		C518	1-106-387-00	MYLAR	0.068µF	10%	200V
C429 C430	1-162-968-11	CERAMIC CHIP	0.22µr 0.0047µF		50V		C519	1-107-612-11	CERAMIC	100pF	5%	500V
C431	1-102-300-11	CERAMIC CHIP	0.0047μ1 0.22μF	10%	16V		C520	1-164-646-11	CERAMIC	2200pF	10%	500V
C432	1-104-665-11	ELECT	0.22μ1 100μF	20%	25V		C521	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C422	1 160 070 11	CEDAMIC CUID	0.01	10%	25V		C522	1-126-960-11	ELECT	1µF	20%	50V
C433 C434	1-162-970-11	CERAMIC CHIP	0.01µF		50V		C525	1-102-244-00	CERAMIC	220pF	10%	500V
C434 C435	1-162-968-11	CERAMIC CHIP	0.0047µF		50V 50V		C526	1-102-244-00	ELECT	22µF	20%	250V
C433	1-162-968-11 1-127-715-91	CERAMIC CHIP CERAMIC CHIP	0.0047µF 0.22µF	10%	16V	<u></u>	C527	1-162-116-00	CERAMIC	680pF	10%	2KV
C442	(KV-32FV300/36F		υ.ΖΖμΓ	1070	10 V	Z.	C528	1-162-966-11	CERAMIC CHIP	0.0022µF		50V
C443	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V		0020		0 00 0	٠.٠٠-ــــــــــــــــــــــــــــــــــ		
0110	(KV-32FV300/36F		0. <u>22</u> p.	1070	101		C529	1-128-551-11	ELECT	22µF	20%	25V
	(*** 0=**********	,					C530	1-130-475-00	MYLAR	0.0022µF	5%	50V
C452	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	<u>/</u>	C531	1-126-965-91	ELECT	22µF	20%	50V
C453	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C532	1-126-965-91	ELECT	22µF	20%	50V
C501	1-102-110-00	CERAMIC	220pF	10%	50V		C534	1-126-967-11	ELECT	47μF	20%	50V
C502	1-126-959-11	ELECT	0.47µF	20%	50V					·		
C503	1-164-315-11	CERAMIC CHIP	470pF	5%	50V	<u>^</u>	C535	1-136-165-00	FILM	0.1µF	5%	50V
			'				C537	1-126-941-11	ELECT	470µF	20%	25V
C504	1-102-228-00	CERAMIC	470pF	10%	500V		C539	1-126-941-11	ELECT	470µF	20%	25V
C505	1-102-228-00	CERAMIC	470pF	10%	500V		C540	1-107-995-11	ELECT	100μF		160V
C506	1-106-383-00	MYLAR	0.047µF	10%	200V		C541	1-128-560-11	ELECT	22µF	20%	100V
⚠ C507	1-162-116-00	CERAMIC	680pF	10%	2KV							
C508	1-102-228-00	CERAMIC	470pF	10%	500V		C544	1-129-718-00	FILM	0.022µF	5%	630V
A							C545	1-106-387-00	MYLAR	0.068µF	10%	200V
<u> </u>	1-162-116-00	CERAMIC	680pF	10%	2KV		C546	1-104-987-11	MYLAR	0.001µF	10%	100V
C510	1-137-150-11	MYLAR	0.01µF	10%	100V			(KV-32FV300/36F	•			
⚠ C511	1-117-652-11	FILM	22000pF	3%	1.2KV		C547	1-104-987-11	MYLAR	0.001µF	10%	100V
Δ	(KV-32FV300/36F	•						(KV-32FV300/36F	V300 ONLY)			
⚠ C511	1-117-717-11	FILM	17000pF	3%	1.2KV		0550	4 400 000 00	CEDAMIC	C00-F	100/	E00\/
	(KV-27FV300/29F	·V300 ONLY)					C550	1-102-002-00 (KV-32FV300/36F	CERAMIC	680pF	10%	500V
0540	4 400 700 04	FII M	0.0000⊏	F 0/	0001/		C550	1-164-735-11	CERAMIC	0.0015µF	100/	500V
C512	1-129-709-91	FILM	0.0039µF	5%	630V		0330	(KV-27FV300/29F		υ.υυ ισμι	10 /0	300 V
C512	(KV-27FV300/29F	FILM	0.0027E	100/	6201/		C551	1-109-954-11	ELECT	0.47µF	20%	160V
C512	1-129-928-00 (KV-32FV300/36F		0.0027µF	1070	630V		3001	1 100 007 11		υ. 17 μι	20/0	100 V
<u> </u>	1-129-722-00	FILM	0.047µF	5%	630V		C552	1-102-244-00	CERAMIC	220pF	10%	500V
0010	(KV-27FV300/29F		υ.υτ/μι	0 /0	000 V	<u> </u>	C553	1-107-846-11	FILM	0.1µF	5%	250V
	(114 211 40001231	TOO OILLI						(KV-27FV300/29F				
<u> </u>	1-130-118-91	FILM	0.051µF	5%	400V	<u>/</u> !\	C553	1-117-667-11	FILM	0.47µF	5%	250V
	(KV-32FV300/36F		υ.ου τμι	070				(KV-32FV300/36F		ľ		
<u> </u>	1-109-844-11	FILM	0.68µF	5%	250V							
	(KV-27FV300/29F		le.			<u></u>	C554	1-117-629-11	FILM	2700pF	3%	1.2KV
⚠ C514	1-115-521-11	FILM	0.82µF	5%	250V			(KV-27FV300/29F	V300 ONLY)			
	(KV-32FV300/36F	V300 ONLY)	·									



(KV-32FV300/36FV300 ONLY) C561 1-126-967-11 ELECT 47μF 20% 5 C563 1-104-666-11 ELECT 220μF 20% 2	1.2KV D008 D009 D010	8-719-404-50 8-719-982-22	DIODE MA111-TX
(KV-32FV300/36FV300 ONLY) C561 1-126-967-11 ELECT 47μF 20% 5 C563 1-104-666-11 ELECT 220μF 20% 2	D009 D010	8-719-982-22	DIODE MITTIET COD
C561 1-126-967-11 ELECT 47μF 20% 5 C563 1-104-666-11 ELECT 220μF 20% 2	504		DIODE MTZJ-T-77-30D
C563 1-104-666-11 ELECT 220µF 20% 2	D 110	8-719-921-44	DIODE MTZJ-T-77-5.1C
•	25V D110	8-719-991-33	DIODE 1SS133T-77
0004 1-120-300-11 EEEO1 1µ1 2070 0	50V D111	8-719-109-93	DIODE MTZJ-T-77-6.2B
	J0 V		
C565 1-126-969-11 ELECT 220µF 20% 5	50V D112	8-719-109-93	DIODE MTZJ-T-77-6.2B
C568 1-136-169-00 FILM 0.22µF 5% 5	50V D113	8-719-921-44	DIODE MTZJ-T-77-5.1C
C571 1-126-942-61 ELECT 1000µF 20% 2	25V D200	8-719-929-15	DIODE MTZJ-T-77-9.1B
C572 1-126-942-61 ELECT 1000µF 20% 2	25V D201	8-719-929-15	DIODE MTZJ-T-77-9.1B
⚠ C590 1-126-964-11 ELECT 10μF 20% 5	50V D209	8-719-929-15	DIODE MTZJ-T-77-9.1B
04F04 4 407 04C 44 FILM 0.4.:F F0/ 0	D210	8-719-929-15	DIODE MTZJ-T-77-9.1B
	250V D210 D211	8-719-929-15	DIODE MTZJ-T-77-9.1B
(KV-32FV300/36FV300 ONLY)	B040	8-719-929-15	DIODE MTZJ-T-77-9.1B
·	201	8-719-929-15	DIODE MTZJ-T-77-9.1B
•	201	8-719-929-15	DIODE MTZJ-T-77-9.1B
·	J.5 V	0 7 10 020 10	DIODE WILZO I II O.ID
C6005 1-126-768-11 ELECT 2200μF 20% 1	16V D218	8-719-929-15	DIODE MTZJ-T-77-9.1B
	D219	8-719-929-15	DIODE MTZJ-T-77-9.1B
<u>CONNECTOR</u>	D302	8-719-981-99	DIODE MTZJ-T-77-3.15
* CN001 1-560-124-00 PLUG,CONNECTOR (2.5MM) 4P	D302	8-719-929-15	DIODE MTZJ-T-77-9.1B
* CN002 1-564-507-11 PLUG,CONNECTOR 4P	D304	8-719-929-13	DIODE MTZJ-T-75.1C
GN002 1-504-507-11 1 E0G,GONNEGTON 41	D304	0-7 19-921-44	DIODE WI123-1-77-3.10
GN003 1-304-309-11 1 E0G,GONNECTON 01	D305	8-719-929-15	DIODE MTZJ-T-77-9.1B
•	D306	8-719-929-15	DIODE MTZJ-T-77-9.1B
* CN005 1-564-508-11 PLUG,CONNECTOR 5P	D300 D307	8-719-929-15	DIODE MTZJ-T-77-9.1B
* CN006 1-564-506-11 PLUG,CONNECTOR 3P	D307	8-719-929-15	DIODE MTZJ-T-77-9.1B
* CN303 1-564-511-11 PLUG,CONNECTOR 8P	D309	8-719-929-15	DIODE MTZJ-T-77-9.1B
CN306 1-573-298-21 CONNECTOR, BOARD TO BOARD 20P	D309	0-7 19-929-10	DIODE WITZJ-1-77-9.1B
* CN401 1-564-508-11 PLUG,CONNECTOR 5P	D310	8-719-929-15	DIODE MTZJ-T-77-9.1B
(KV-32FV300/36FV300 ONLY)	D311	8-719-929-15	DIODE MTZJ-T-79-9.1B
· · · · · · · · · · · · · · · · · · ·	D311	8-719-929-15	DIODE MTZJ-T-77-9.1B
* CN410 1-564-506-11 PLUG,CONNECTOR 3P	D312	8-719-929-15	DIODE MTZJ-T-77-9.1B DIODE MTZJ-T-77-9.1B
* CN501 1-580-798-11 CONNECTOR PIN (DY) 6P	D313	8-719-929-13	DIODE 18S133T-77
· /	DOZU	0-118-811-00	DIODE 1991991-11
GN302 1-704-333-11 PLUG, CONNECTOR 10P	D410	8-719-404-50	DIODE MA111-TX
* CN503 1-564-510-11 PLUG,CONNECTOR 7P * CN504 1-564-509-11 PLUG,CONNECTOR 6P	D410 D412	8-719-404-50	DIODE MA111-TX
		8-719-921-63	DIODE MIZITI-TX DIODE MTZJ-T-77-7.5B
* CN505 1-564-510-11 PLUG,CONNECTOR 7P	D413 D415	8-719-921-03 8-719-991-33	DIODE 1SS133T-77
CN600 1-695-915-11 TAB (CONTACT)	10	0-110-001-00	DIODE 1001001-11
* CN906 1-564-506-11 PLUG,CONNECTOR 3P	D501	8-719-109-89	DIODE MTZJ-T-77-5.6C
* CN3300 1-691-616-21 CONNECTOR, BOARD TO BOARD 15P	D502	8-719-945-80	DIODE ERC06-15S
* CN3301 1-691-616-21 CONNECTOR, BOARD TO BOARD 15P	<u>↑</u> D503	8-719-945-80	DIODE ERC06-15S
STORE TO SOUTH TO SOUTH TO SOUTH TO	D504	8-719-312-10	DIODE RU4AM-T3
DIODE	D505	8-719-908-03	DIODE GP08DPKG23
D002 8-719-921-44 DIODE MTZJ-T-77-5.1C	D506	8-719-908-03	DIODE GP08DPKG23
D004 8-719-921-44 DIODE MTZJ-T-77-5.1C	D507	8-719-991-33	DIODE 1SS133T-77
D005 8-719-110-17 DIODE MTZJ-T-77-10B	<u> </u>	8-719-991-33	DIODE 1SS133T-77
D006 8-719-110-17 DIODE MTZJ-T-77-10B	D510	8-719-081-93	DIODE 1N4937/23
D007 8-719-404-50 DIODE MA111-TX	D511	8-719-970-87	DIODE ERA38-06TP1



	REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
	D512	8-719-970-87	DIODE ERA38-06TP1			<u>JACK</u>		
	D513	8-719-110-41	DIODE MTZJ-T-77-15B		1004	4 704 440 44	TERMINAL BLOOK 0	45
<u> </u>	D515	8-719-075-41	DIODE PR1004GT		J201	1-794-119-11	TERMINAL BLOCK, S	4P
	D516	8-719-991-33	DIODE 1SS133T-77		J203	1-794-118-11	JACK BLOCK, PIN	3P
	D518	8-719-991-33	DIODE 1SS133T-77		J204	1-794-118-11	JACK BLOCK, PIN	3P
					J205	1-794-116-11	JACK BLOCK, PIN	2P
\triangle	D519	8-719-302-43	DIODE EL1Z-V1		J206	1-794-117-11	JACK BLOCK, PIN	3P
	D520	8-719-991-33	DIODE 1SS133T-77		J207	1-794-116-11	JACK BLOCK, PIN	2P
	D521	8-719-921-63	DIODE MTZJ-T-77-7.5X					
<u>/</u> !\	D522	8-719-991-33	DIODE 1SS133T-77			CHIP CONDUCT	TOR	
	D523	8-719-109-69	DIODE MTZJ-T-77-3.6B		ID4	4 040 004 44	OLIOPT	
					JR1	1-216-864-11	SHORT	
	D524	8-719-109-97	DIODE MTZJ-T-77-6.8B		JR2	1-216-864-11	SHORT	
<u>^</u> !\	D530	8-719-979-85	DIODE RGP15GPKG23		JR4	1-216-864-11	SHORT	
	D531	8-719-979-85	DIODE RGP15GPKG23		JR5	1-216-864-11	SHORT	
	D534	8-719-302-43	DIODE RGP10GPKG23		JR8	1-216-864-11	SHORT	
	D535	8-719-404-50	DIODE MA111-TX					
	D000	0 7 10 10 100	DIODE WINTER TX		JR9	1-216-864-11	SHORT	
	D536	8-719-404-50	DIODE MA111-TX		JR10	1-216-864-11	SHORT	
	D561	8-719-075-33	DIODE 1N4003GA			(KV-32FV300/36		
\bigwedge	D580	8-719-991-33	DIODE 1SS133T-77		JR12	1-216-864-11	SHORT	
	D590	8-719-991-33	DIODE 1SS133T-77		JR13	1-216-864-11	SHORT	
	D000	0 7 10 001 00	DIODE 1001001 11					
		FEDRITE DE AD			JR14	1-216-864-11	SHORT	
		FERRITE BEAD			JR15	1-216-864-11	SHORT	
	FB501	1-410-397-21	FERRITE	1.1µH	JR202	1-216-864-11	SHORT	
	FB502	1-410-397-21	FERRITE	1.1µH	JR301	1-216-864-11	SHORT	
	FB503	1-410-397-21	FERRITE	1.1µH	JR302	1-216-864-11	SHORT	
				r				
		<u>IC</u>			JR303	1-216-864-11	SHORT	
		10			JR304	1-216-864-11	SHORT	
	IC001	6-801-165-01	IC M306V5ME-109SP		JR305	1-216-864-11	SHORT	
	IC002	6-701-929-01	IC BD4743G-TR		JR306	1-216-864-11	SHORT	
	IC003	8-759-641-86	IC BR24C16F-E2		JR401	1-216-864-11	SHORT	
	IC301	8-752-100-49	IC CXA2154AS					
	IC400	6-701-106-01	IC NJW1134GK1-TE2		JR402	1-216-864-11	SHORT	
					JR403	1-216-864-11	SHORT	
	IC402	8-759-689-71	IC NJM2188M-TE2					
	IC403	6-702-114-01	IC BU4051BCF-E2			COIL		
		(KV-32FV300/36F	V300 ONLY)		1.004	4 440 400 04	INDUCTOR	400 11
	IC404	6-702-114-01	IC BU4051BCF-E2		L001	1-410-482-31	INDUCTOR	100µH
		(KV-32FV300/36F	V300 ONLY)		L002	1-410-482-31	INDUCTOR	100µH
					L003	1-412-029-11	INDUCTOR	10μH
	IC501	8-759-700-07	IC NJM2903M-TE2		L004	1-410-482-31	INDUCTOR	100µH
<u> </u>	IC561	8-759-696-71	IC STV9379		L009	1-410-482-31	INDUCTOR	100μH
		(KV-32FV300/36F	V300 ONLY)		1.040	4 444 400 44	INDUOTOR	0.0
<u> </u>	IC561	8-759-980-58	IC TDA8172		L010	1-414-182-11	INDUCTOR	6.8µH
		(KV-27FV300/29F	V300 ONLY)		L300	1-410-482-31	INDUCTOR	100µH
	IC6008	6-701-752-01	IC NJM2930F05		L301	1-410-482-31	INDUCTOR	100µH
					L302	1-412-029-11	INDUCTOR	10μH
					L303	1-410-478-11	INDUCTOR	47μΗ



REF. NO.	PART NO.	DESCRIPTION	VALUES		REF. NO.	PART NO.	DESCRIPTION	VALU	IES	
L304	1-410-470-11	INDUCTOR	10µH		Q407	8-729-422-27	TRANSISTOR 2SD60	1A-QRS-TX		
L501	1-406-677-11	INDUCTOR	10MH		Q501	8-729-140-50	TRANSISTOR 2SC32	09LK-TP		
L502	1-412-552-11	INDUCTOR	2.2MH	\triangle	Q502	6-550-107-01	TRANSISTOR 2SD26	45-YB		
L503	1-406-677-11	INDUCTOR	10MH		Q507	8-729-043-95	TRANSISTOR 2SC38	40K		
L504	1-406-677-11	INDUCTOR	10MH	\triangle	Q511	8-729-120-28	TRANSISTOR 2SC24	12K-T-146-C)R	
<u> </u>	1-406-976-11	INDUCTOR	68µH	\wedge	Q512	8-729-809-29	TRANSISTOR 2SC41	50 E		
Z:\(\) L303	(KV-32FV300/36		σομιι	$\stackrel{\stackrel{\scriptstyle \cdot}{\wedge}}{\mathbb{A}}$	Q530	8-729-422-27	TRANSISTOR 2SD60			
<u> </u>	1-406-978-11	′	150uU	<u> </u>	Q531		TRANSISTOR 2SB70			
∠!\ L303		INDUCTOR	150µH	<u> </u>		8-729-424-02				
1.544	(KV-27FV300/29	,	OMIL	7!\	Q532	8-729-200-17	TRANSISTOR 2SA10			
L511	1-409-955-11	INDUCTOR	8MH		Q561	8-729-422-27	TRANSISTOR 2SD60	1A-QR5-1X		
L517	1-412-552-11	INDUCTOR	2.2MH		0500	0.700.400.00	TDANIOIOTOD 00004	401/ T 440 C	ND.	
				\wedge	Q562	8-729-120-28	TRANSISTOR 2SC24		•	
	TRANSISTOR				Q590 Q6000	8-729-422-27 8-729-422-27	TRANSISTOR 2SD60 TRANSISTOR 2SD60			
Q001	8-729-424-02	TRANSISTOR 2SB7	09A-QRS-TX		QUUU	0 120 122 21	110 11010 1011 20000	171 Q110 171		
Q002	8-729-422-27	TRANSISTOR 2SD6	01A-QRS-TX			DEGISTOR				
⚠ Q003	8-729-422-27	TRANSISTOR 2SD6	01A-QRS-TX			RESISTOR				
Q004	8-729-422-27	TRANSISTOR 2SD6	01A-QRS-TX		R001	1-249-429-11	CARBON	10K	5%	1/4W
Q005	8-729-422-27	TRANSISTOR 2SD6	01A-QRS-TX		R002	1-249-409-11	CARBON	220	5%	1/4W
					R003	1-216-817-11	RES-CHIP	470	5%	1/10W
Q010	8-729-424-02	TRANSISTOR 2SB7	09A-ORS-TX		R004	1-216-857-11	RES-CHIP	1M	5%	1/10W
Q110	8-729-424-02	TRANSISTOR 2SB7			R005	1-216-821-11	RES-CHIP	1K	5%	1/10W
Q300	8-729-424-02	TRANSISTOR 2SB7			11000	1 210 021 11	NEO OIIII	111	070	171011
Q304	8-729-422-27	TRANSISTOR 2SD6			R006	1-249-417-11	CARBON	1K	5%	1/4W
Q305	8-729-424-02	TRANSISTOR 2SB7			R007	1-216-833-11	RES-CHIP	10K	5%	1/10W
Q000	0-125-424-02	TIVALIOIOTOIX 2007	UUA-QIIO-IX		R009	1-216-864-11	SHORT	TOIX	370	1/1044
Q306	8-729-422-27	TRANSISTOR 2SD6	01Δ_ORS_TY		R010	1-249-409-11	CARBON	220	5%	1/4W
Q307	8-729-424-02	TRANSISTOR 2SB7			R011	1-243-403-11	RES-CHIP	1K	5%	1/10W
Q308	8-729-424-02	TRANSISTOR 2SB7			11011	1-210-021-11	INLO-OFIII	Ш	J /0	1/1000
Q309	8-729-424-02	TRANSISTOR 2SB7			R012	1-216-827-11	RES-CHIP	3.3K	5%	1/10W
Q309 Q314	8-729-422-27	TRANSISTOR 2SD6			R013	1-216-833-11	RES-CHIP	10K	5%	1/10W
QUIT	0-129-422-21	TIVANOIOTON 2000	UIA-QINO-IX		R015	1-216-813-11	RES-CHIP	220	5%	1/10W
Q315	8-729-424-02	TRANSISTOR 2SB7	OOA ODS TV		R016	1-216-813-11	RES-CHIP	220	5% 5%	1/10W
Q316	8-729-424-02	TRANSISTOR 2SB7			R017	1-216-813-11	RES-CHIP	220	5% 5%	1/10W
	8-729-424-02	TRANSISTOR 2SD6			KU17	1-210-013-11	KES-UNIF	220	370	1/1000
Q317 Q319	8-729-422-27	TRANSISTOR 2SD6			R018	1-216-813-11	RES-CHIP	220	5%	1/10W
Q325	8-729-422-27	TRANSISTOR 2SD6	UIA-UKS-IX		R019	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
0220	0.700.404.00	TDANICIOTOD 2007	OOA ODO TV		R020	1-218-688-11	METAL CHIP	680		1/16W
Q326	8-729-424-02	TRANSISTOR 2SB7			R021	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
Q400	8-729-422-27	TRANSISTOR 2SD6			R022	1-218-688-11	METAL CHIP	680	0.50%	1/16W
Q401	8-729-422-27	TRANSISTOR 2SD6			D000	4 040 000 44	DEC OUID	4.71/	F0/	4/40\4/
Q402	8-729-422-27	TRANSISTOR 2SD6			R023	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
Q403	8-729-422-27	TRANSISTOR 2SD6	U1A-QRS-TX		R024	1-218-688-11	METAL CHIP	680		1/16W
0.40.	0.700.400.07	TD ANIOIOTOD COT	044 ODO TV		R025	1-216-813-11	RES-CHIP	220	5%	1/10W
Q404	8-729-422-27	TRANSISTOR 2SD6	U1A-QRS-TX		R027	1-216-813-11	RES-CHIP	220	5%	1/10W
	(KV-32FV300/36	,			R029	1-249-409-11	CARBON	220	5%	1/4W
Q405	8-729-422-27	TRANSISTOR 2SD6	01A-QRS-TX							
	(KV-32FV300/36	,			R030	1-216-841-11	RES-CHIP	47K	5%	1/10W
		TO ANICIOTAD SODO	N1A ODS TV		R031	1-216-809-11	RES-CHIP	100	5%	1/10W
Q406	8-729-422-27	TRANSISTOR 2SD6	UIA-QNO-IA	ı						
Q406	8-729-422-27 (KV-32FV300/36		UIA-QNO-IX		R032 R033	1-216-813-11 1-249-417-11	RES-CHIP CARBON	220 1K	5% 5%	1/10W 1/4W



REF. NO.	PART NO.	DESCRIPTION	VALU	IES		REF. NO.	PART NO.	DESCRIPTION	VAL	UES	
R034	1-216-813-11	RES-CHIP	220	5%	1/10W	R111	1-216-809-11	RES-CHIP	100	5%	1/10W
R035	1-216-813-11	RES-CHIP	220	5%	1/10W	R113	1-247-807-31	CARBON	100	5%	1/4W
R037	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R114	1-249-409-11	CARBON	220	5%	1/4W
R038	1-249-417-11	CARBON	1K	5%	1/4W	R117	1-216-837-11	RES-CHIP	22K	5%	1/10W
R039	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R118	1-216-837-11	RES-CHIP	22K	5%	1/10W
R048	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R120	1-249-413-11	CARBON	470	5%	1/4W
R050	1-216-833-11	RES-CHIP	10K	5%	1/10W	R123	1-249-421-11	CARBON	2.2K	5%	1/4W
R051	1-216-857-11	RES-CHIP	1M	5%	1/10W		(KV-32FV300/36	FV300 ONLY)			
R052	1-216-845-11	RES-CHIP	100K	5%	1/10W	R124	1-216-813-11	RES-CHIP	220	5%	1/10W
R053	1-216-821-11	RES-CHIP	1K	5%	1/10W		(KV-32FV300/36	FV300 ONLY)			
R054	1-249-417-11	CARBON	1K	5%	1/4W	R125	1-249-421-11	CARBON	2.2K	5%	1/4W
R055	1-216-841-11	RES-CHIP	47K	5%	1/10W		(KV-32FV300/36	FV300 ONLY)			
R056	1-216-813-11	RES-CHIP	220	5%	1/10W	R126	1-216-813-11	RES-CHIP	220	5%	1/10W
R057	1-216-845-11	RES-CHIP	100K	5%	1/10W		(KV-32FV300/36	FV300 ONLY)			
R058	1-216-845-11	RES-CHIP	100K	5%	1/10W	R127	1-249-421-11 (KV-32FV300/36	CARBON FV300 ONLY)	2.2K	5%	1/4W
R060	1-249-409-11	CARBON	220	5%	1/4W		,	,			
R061	1-249-437-11	CARBON	47K	5%	1/4W	R128	1-216-813-11	RES-CHIP	220	5%	1/10W
⚠ R063	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		(KV-32FV300/36	FV300 ONLY)			
R064	1-216-813-11	RES-CHIP	220	5%	1/10W	R129	1-249-409-11	CARBON	220	5%	1/4W
						R130	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R065	1-216-841-11	RES-CHIP	47K	5%	1/10W	R131	1-216-813-11	RES-CHIP	220	5%	1/10W
R066	1-249-429-11	CARBON	10K	5%	1/4W						
R068	1-216-833-11	RES-CHIP	10K	5%	1/10W	R132	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R070	1-216-813-11	RES-CHIP	220	5%	1/10W	R133	1-216-841-11	RES-CHIP	47K	5%	1/10W
R071	1-216-841-11	RES-CHIP	47K	5%	1/10W	R134	1-216-813-11	RES-CHIP	220	5%	1/10W
						R135	1-216-813-11	RES-CHIP	220	5%	1/10W
R073	1-249-425-11	CARBON	4.7K	5%	1/4W	R136	1-249-425-11	CARBON	4.7K	5%	1/4W
R074	1-249-417-11	CARBON	1K	5%	1/4W						
R075	1-216-813-11	RES-CHIP	220	5%	1/10W	R137	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R076	1-216-841-11	RES-CHIP	47K	5%	1/10W	R139	1-216-813-11	RES-CHIP	220	5%	1/10W
R077	1-216-809-11	RES-CHIP	100	5%	1/10W	R140	1-249-409-11	CARBON	220	5%	1/4W
						R145	1-249-401-11	CARBON	47	5%	1/4W
R078	1-216-841-11	RES-CHIP	47K	5%	1/10W	R201	1-216-864-11	SHORT			
⚠ R080	1-216-829-11	RES-CHIP	4.7K	5%	1/10W						
R085	1-215-924-00	METAL OXIDE	15K	5%	3W	R202	1-249-409-11	CARBON	220	5%	1/4W
R086	1-216-839-11	RES-CHIP	33K	5%	1/10W	R203	1-216-864-11	SHORT			
R087	1-216-837-11	RES-CHIP	22K	5%	1/10W	R206	1-249-409-11	CARBON	220	5%	1/4W
		D=0.0111D		-0/		R207	1-216-845-11	RES-CHIP	100K	5%	1/10W
R089	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R208	1-249-409-11	CARBON	220	5%	1/4W
R098	1-216-821-11	RES-CHIP	1K	5%	1/10W	B000	4 040 045 44	DEC CLUD	40016	=0/	4/40044
R099	1-216-809-11	RES-CHIP	100	5%	1/10W	R209	1-216-845-11	RES-CHIP	100K	5%	1/10W
R101	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R210	1-216-813-11	RES-CHIP	220	5%	1/10W
R102	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R217	1-216-845-11	RES-CHIP	100K	5%	1/10W
D400	4 040 405 44	OADDON	4 717	F 0/	4/4/4/	R218	1-216-845-11	RES-CHIP	100K	5%	1/10W
R103	1-249-425-11	CARBON	4.7K	5%	1/4W	R219	1-216-813-11	RES-CHIP	220	5%	1/10W
R104	1-216-813-11	RES-CHIP	220	5%	1/10W	Dooo	4 040 040 44	DEC CUID	000	F 0/	4/4014/
R107	1-216-809-11	RES-CHIP	100	5%	1/10W	R220	1-216-813-11	RES-CHIP	220	5%	1/10W
R108	1-216-809-11	RES-CHIP	100	5%	1/10W	R222	1-216-845-11	RES-CHIP	100K	5%	1/10W
R110	1-247-807-31	CARBON	100	5%	1/4W	R223	1-216-813-11	RES-CHIP	220	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUI	ES		REF. NO.	PART NO.	DESCRIPTION	VALU	JES	
R224	1-249-409-11	CARBON	220	5%	1/4W	R343	1-216-833-11	RES-CHIP	10K	5%	1/10W
R225	1-216-845-11	RES-CHIP	100K	5%	1/10W	R344	1-216-853-11	RES-CHIP	470K	5%	1/10W
R228	1-216-845-11	RES-CHIP	100K	5%	1/10W	R345	1-216-845-11	RES-CHIP	100K	5%	1/10W
R229	1-216-845-11	RES-CHIP	100K	5%	1/10W	R346	1-216-845-11	RES-CHIP	100K	5%	1/10W
R230	1-249-409-11	CARBON	220	5%	1/4W	R347	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R231	1-216-813-11	RES-CHIP	220	5%	1/10W	R348	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R232	1-216-853-11	RES-CHIP	470K	5%	1/10W	R349	1-216-864-11	SHORT			
R233	1-216-853-11	RES-CHIP	470K	5%	1/10W	R350	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R234	1-216-813-11	RES-CHIP	220	5%	1/10W	R351	1-216-864-11	SHORT			
R235	1-216-813-11	RES-CHIP	220	5%	1/10W	R352	1-216-864-11	SHORT			
		0 0		• 70							
R300	1-216-864-11	SHORT				R353	1-218-867-11	RES-CHIP	6.8K	5%	1/10W
R301	1-216-809-11	RES-CHIP	100	5%	1/10W	R354	1-249-425-11	CARBON	4.7K	5%	1/4W
R302	1-216-817-11	RES-CHIP	470	5%	1/10W	R359	1-216-833-11	RES-CHIP	10K	5%	1/10W
R303	1-249-414-11	CARBON	560	5%	1/4W	R368	1-216-864-11	SHORT	1010	070	171011
R306	1-216-843-11	RES-CHIP	68K	5%	1/10W	R369	1-216-809-11	RES-CHIP	100	5%	1/10W
1,000	1 210 040 11	NEO OTIII	0010	070	171000	11000	1 210 000 11	NEO OTIII	100	070	1710
R307	1-216-843-11	RES-CHIP	68K	5%	1/10W	R370	1-216-809-11	RES-CHIP	100	5%	1/10W
R308	1-249-429-11	CARBON	10K	5%	1/4W	R372	1-216-864-11	SHORT	100	3 /0	17 10 00
R309	1-243-423-11	SHORT	IUIX	3 /0	1/7 * * *	R374	1-216-833-11	RES-CHIP	10K	5%	1/10W
R320	1-216-864-11	SHORT				R376	1-216-809-11	RES-CHIP	100	5%	1/10W
R322	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R378	1-216-809-11	RES-CHIP	100	5%	1/10W
RJZZ	1-210-029-11	KES-UNIF	4./N	370	1/1000	K3/0	1-210-009-11	RES-UNIF	100	370	1/1000
R325	1-247-807-31	CARBON	100	5%	1/4W	R379	1-216-809-11	RES-CHIP	100	5%	1/10W
R328	1-247-007-31	RES-CHIP	10K	5% 5%	1/4VV 1/10W	R380	1-216-809-11	RES-CHIP	100	5%	1/10W
R329	1-247-807-31	CARBON	100	5% 5%	1/10VV 1/4W	R381	1-216-809-11	RES-CHIP	1K	5% 5%	1/10W
R329 R331	1-247-007-31	METAL CHIP	10K		1/4VV 1/16W	R382	1-218-867-11	RES-CHIP	6.8K	5% 5%	1/10W
R332			100		1/10W	R383		CARBON	2.2K	5% 5%	1/10VV 1/4W
RSSZ	1-216-809-11	RES-CHIP	100	5%	1/1000	KJOJ	1-249-421-11	CARBON	Z.ZN	3%	1/4 V V
R333	1-216-809-11	RES-CHIP	100	5%	1/10W	R384	1-216-840-11	RES-CHIP	39K	5%	1/10W
R334	1-216-821-11	RES-CHIP	1K	5%	1/10W	R385	1-216-813-11	RES-CHIP	220	5%	1/10W
R335	1-216-821-11	RES-CHIP	1K	5%	1/10W	R386	1-216-845-11	RES-CHIP	100K	5%	1/10W
R336	1-216-809-11	RES-CHIP	100	5%	1/10W	R387	1-216-864-11	SHORT	10011	070	171011
R337	1-249-417-11	CARBON	1K	5%	1/4W	R388	1-216-821-11	RES-CHIP	1K	5%	1/10W
11001	1210 117 11	0/11/2014	111	070	17111	11000	1 210 021 11	NEO OTIII	111	070	171011
R338	1-216-864-11	SHORT				R389	1-216-864-11	SHORT			
R339	1-216-840-11	RES-CHIP	39K	5%	1/10W	R390	1-218-285-11	RES-CHIP	75	5%	1/10W
. 1000	(KV-32FV300/36I		••••	• 70		R391	1-218-285-11	RES-CHIP	75	5%	1/10W
R339	1-216-851-11	RES-CHIP	330K	5%	1/10W	R393	1-218-285-11	RES-CHIP	75	5%	1/10W
11000	(KV-27FV300/29I		00011	070		R394	1-218-285-11	RES-CHIP	75	5%	1/10W
	(111 211 1000/201	1000 01121)				11001	1 210 200 11	1120 01111	10	070	17 1011
R340	1-216-861-11	RES-CHIP	2.2M	5%	1/10W	R395	1-218-285-11	RES-CHIP	75	5%	1/10W
11010	(KV-27FV300/29I		2.2111	070	171011	R396	1-216-853-11	RES-CHIP	470K	5%	1/10W
R340	1-216-863-11	RES-CHIP	3.3M	5%	1/10W	R397	1-249-417-11	CARBON	1K	5%	1/4W
11040	(KV-32FV300/36I		0.01	070	171000	R398	1-216-841-11	RES-CHIP	47K	5%	1/10W
R341	1-216-842-11	RES-CHIP	56K	5%	1/10W	R399	1-216-845-11	RES-CHIP	100K	5%	1/10W
INTI	(KV-27FV300/29I		JUIN	J /0	17 10 9 9	11000	1 4 10 TOTO TI	INEO OF III	TOUR	J /0	17 10 11
	(11.4 211 4000/281	VOUC CINEI				R400	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R341	1-216-851-11	RES-CHIP	330K	5%	1/10W	R400	1-216-809-11	RES-CHIP	100	5%	1/10W
11041	(KV-32FV300/36I		JUUIN	J /0	1/ 10 1/	R401	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R342	1-216-839-11	RES-CHIP	33K	5%	1/10W	11702	(KV-32FV300/36		7.11	J /0	1/ 1000
1\J44	1-7 10-033-11	NEO-OHIIF	JUI	J /0	1/ 10 1/		(114-021-4000/00	N VOUC CINEI)			

A component identified by this M symbol indicates that it has been carefully factory-selected to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALU	VALUES		
R403	1-216-809-11	RES-CHIP	100	5%	1/10W	\bigwedge	R516	1-218-867-11	RES-CHIP	6.8K	5%	1/10W
R404	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		11010	(KV-36FV300 ON		0.011	070	
	(KV-32FV300/36	FV300 ONLY)					R517	1-249-417-11	CARBON	1K	5%	1/4W
R405	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		R518	1-216-833-11	RES-CHIP	10K	5%	1/10W
R406	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		R519	1-249-413-11	CARBON	470	5%	1/4W
							R520	1-215-907-11	METAL OXIDE	22	5%	3W
R407	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		11020	1210 007 11	WE I'VE ONIDE		070	011
R408	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	<u>^</u>	R523	1-216-834-11	RES-CHIP	12K	5%	1/10W
R409	1-249-407-11	CARBON	150	5%	1/4W		11020	(KV-32FV300/36		1211	070	1/1000
R411	1-216-817-11	RES-CHIP	470	5%	1/10W	<u>^</u>	R523	1-216-837-11	RES-CHIP	22K	5%	1/10W
R412	1-216-821-11	RES-CHIP	1K	5%	1/10W		11020	(KV-27FV300/29		2211	070	1/1044
						\wedge	R524	1-249-429-11	CARBON	10K	5%	1/4W
R413	1-216-833-11	RES-CHIP	10K	5%	1/10W	7.	11027	1-243-423-11	OARDON	1011	J /0	1/777
R416	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	<u>^</u>	R525	1-249-428-11	CARBON	8.2K	5%	1/4W
R420	1-216-824-11	RES-CHIP	1.8K	5%	1/10W	7.	R526	1-215-905-11	METAL OXIDE	10	5%	3W
R421	1-216-846-11	RES-CHIP	120K	5%	1/10W		11020	(KV-32FV300/36		10	J /0	344
R422	1-216-861-11	RES-CHIP	2.2M	5%	1/10W		R526	1-216-377-11	METAL OXIDE	4.7	5%	2W
							N320	(KV-27FV300/29		4.7	3 /0	200
R423	1-216-839-11	RES-CHIP	33K	5%	1/10W			(KV-21FV300/29	FV300 ONLT)			
R424	1-216-843-11	RES-CHIP	68K	5%	1/10W	<u> </u>	R528	1-216-837-11	RES-CHIP	22K	5%	1/10W
R425	1-216-842-11	RES-CHIP	56K	5%	1/10W		R529	1-216-837-11	RES-CHIP	22K 22K	5% 5%	1/10W
R426	1-216-823-11	RES-CHIP	1.5K	5%	1/10W		R530	1-216-834-11	RES-CHIP	22K 12K		1/10W
R452	1-249-409-11	CARBON	220	5%	1/4W		X R531				5%	
11102	1210 100 11	0/11/2014	220	0 /0	17 177			1-216-842-11	RES-CHIP	56K	5%	1/10W
R453	1-216-813-11	RES-CHIP	220	5%	1/10W	<u> </u>	R532	1-216-810-11	RES-CHIP	120	5%	1/10W
R501	1-216-815-11	RES-CHIP	330	5%	1/10W		DEGG	4 045 070 44	METAL OVIDE	471/	E0/	4\\\
11001	(KV-27FV300/29		000	0 /0	171011	À	R533	1-215-879-11	METAL OXIDE	47K	5%	1W
R501	1-216-817-11	RES-CHIP	470	5%	1/10W		R536	1-260-288-11	CARBON	0.47	5%	1/2W
1001	(KV-32FV300/36		110	0 /0	171011	<u> </u>	R537	1-260-288-11	CARBON	0.47	5%	1/2W
	(117 021 7000/00	1 VOOD CIVETY					R538	1-247-887-00	CARBON	220K	5%	1/4W
R502	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		R540	1-216-857-11	RES-CHIP	1M	5%	1/10W
⚠ R503	1-249-425-11	CARBON	4.7K	5%	1/4W		DE 44	4 045 004 44	METAL OVIDE	0.01/	- 0/	0147
R504	1-215-885-00	METAL OXIDE	68	5%	2W		R541	1-215-894-11	METAL OXIDE	2.2K	5%	2W
11004	(KV-27FV300/29		00	J /0	244	\wedge	R542	1-216-485-11	METAL OXIDE	5.6K	5%	3W
R504	1-216-455-21	METAL OXIDE	560	5%	2W		R543	1-249-377-11	CARBON	0.47	5%	1/4W
11004	(KV-32FV300/36		300	J /0	244	<u> </u>	R545	1-249-387-11	CARBON	3.3	5%	1/4W
	(1117-021 7000/00	1 VOOD ONET)					R546	1-215-453-00	METAL	22K	1%	1/4W
R505	1-249-433-11	CARBON	22K	5%	1/4W		DE47	1 215 457 00	METAL	221/	10/	1//\\/
R506	1-215-861-00	METAL OXIDE	47	5%	1W		R547	1-215-457-00	METAL METAL OXIDE	33K	1%	1/4W
R507	1-249-401-11	CARBON	47	5%	1/4W		R548	1-216-485-11		5.6K	5%	3W
R508	1-249-425-11	CARBON	4.7K	5%	1/4W	\wedge	R549	1-215-437-00	METAL	4.7K	1%	1/4W
⚠ R509	1-260-328-11	CARBON	1K	5%	1/2W	<u> </u>	R550	1-249-377-11	CARBON	0.47	5%	1/4W
Z. 11000	1-200-320-11	OARDON	Ш	J /0	1/244		R551	1-215-873-00	METAL OXIDE	4.7K	5%	1W
<u> </u>	1-215-883-11	METAL OXIDE	33	5%	2W	\wedge	DEEC	4 040 077 44	CARRON	0.47	F 0/	4/4/4/
R512	1-215-910-00	METAL OXIDE	68	5%	3W	<u> </u>	R553	1-249-377-11	CARBON	0.47	5%	1/4W
R512 R515	1-216-836-11	RES-CHIP	18K	5%	1/10W		R554	1-215-876-00	METAL OXIDE	15K	5%	1W
1 R516	1-216-830-11	RES-CHIP	5.6K	5%	1/10W		D== /	(KV-27FV300/29	,	0.017	=0/	0147
Z:\ K310			5.01	J /0	1/1000		R554	1-215-894-11	METAL OXIDE	2.2K	5%	2W
	(KV-32FV300 ON	NLI /						(KV-32FV300 Of	NLY)			
<u> </u>	1-216-832-11	RES-CHIP	8.2K	5%	1/10W		Dese	4 0 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	OARRON	40017	E0/	4/414/
	(KV-27FV300/29		0.21\	J /0	1/1000		R555	1-249-441-11	CARBON	100K	5%	1/4W
	(114-211 4000129	I VOU OINLI)					R556	1-249-441-11	CARBON	100K	5%	1/4W
						I	R557	1-249-441-11	CARBON	100K	5%	1/4W



	REF. NO.	PART NO.	DESCRIPTION	VALUES				REF. NO.	PART NO.	DESCRIPTION	VAL	VALUES	
	R559	1-216-805-11	RES-CHIP	47	5%	1/10W		R932	1-218-285-11	RES-CHIP	75	5%	1/10W
	R561	1-249-429-11	CARBON	10K	5%	1/4W		R933	1-218-285-11	RES-CHIP	75	5%	1/10W
<u></u>	R563	1-214-798-21	METAL	1.8	1%	1/2W		R934	1-218-285-11	RES-CHIP	75	5%	1/10W
<u>/</u> !\	R564	1-247-895-91	CARBON	470K	5%	1/4W							
	R565	1-215-889-00	METAL OXIDE	330	5%	2W		R940	1-247-807-31	CARBON	100	5%	1/4W
								R941	1-247-807-31	CARBON	100	5%	1/4W
	R566	1-218-867-11	RES-CHIP	6.8K	5%	1/10W		R942	1-216-841-11	RES-CHIP	47K	5%	1/10W
<u></u>	R567	1-249-385-11	CARBON	2.2	5%	1/4W		R947	1-216-864-11	SHORT			
	R568	1-218-867-11	RES-CHIP	6.8K	5%	1/10W		R950	1-216-809-11	RES-CHIP	100	5%	1/10W
	R569	1-249-429-11	CARBON	10K	5%	1/4W							
	R570	1-216-845-11	RES-CHIP	100K	5%	1/10W		R951	1-216-813-11	RES-CHIP	220	5%	1/10W
								R6001	1-216-833-11	RES-CHIP	10K	5%	1/10W
	R571	1-216-837-11	RES-CHIP	22K	5%	1/10W		R6002	1-216-833-11	RES-CHIP	10K	5%	1/10W
	R572	1-216-837-11	RES-CHIP	22K	5%	1/10W		R6003	1-216-833-11	RES-CHIP	10K	5%	1/10W
	R573	1-216-845-11	RES-CHIP	100K	5%	1/10W		R6004	1-216-821-11	RES-CHIP	1K	5%	1/10W
<u></u>	R574	1-214-798-21	METAL	1.8	1%	1/2W							
	R576	1-215-905-11	METAL OXIDE	10	5%	3W			<u>SWITCH</u>				
		(KV-32FV300/36F	V300 ONLY)					S501	1-572-707-11	SWITCH LEVER			
	DE70	4 045 007 44	METAL OVIDE	00	F0/	014/		S502	1-572-707-11	SWITCH LEVER			
	R576	1-215-907-11 (KV-27FV300/29F	METAL OXIDE V300 ONLY)	22	5%	3W		0002	1-312-101-11	SWITOTILLVLIX			
	R577	1-216-821-11	RES-CHIP	1K	5%	1/10W			TRANSFORMER	<u>R</u>			
	R578	1-214-798-21	METAL	1.8	1%	1/2W		TE04	4 400 000 44	TDANIOEODMED III	DIZONITAL	DDI\	
	R580	1-249-441-11	CARBON	100K	5%	1/4W	\wedge	T501	1-433-836-11	TRANSFORMER, HO			
							<u>^</u>	T502	1-426-981-11	TRANSFORMER, FE	•	1)	
	R581	1-247-887-00	CARBON	220K	5%	1/4W	<u> </u>	T503	1-453-310-11	FBT ASSY, NX-4521/	/X4J4		
<u>(İ</u>	R590	1-216-809-11	RES-CHIP	100	5%	1/10W	<u> </u>	TEOO	(KV-27FV300/29	,	IVACA		
<u> </u>	R591	1-249-417-11	CARBON	1K	5%	1/4W	<u> </u>	T503	1-453-338-21	FBT ASSY, NX-4600/	/X404		
<u> </u>	R592	1-216-363-00	METAL OXIDE	0.33	5%	2W			(KV-36FV300 Of	NLY)			
<u>^</u>	R593	1-249-420-11	CARBON	1.8K	5%	1/4W	<u> </u>	T503	1-453-338-31	FBT ASSY, NX-4600/	//V // I //		
^							Z:\	1505	(KV-32FV300 Of	· ·	/A4J4		
<u>^</u>	R594	1-249-429-11	CARBON	10K	5%	1/4W	<u> </u>	T504	1-424-584-11	TRANSFORMER, DY	/NAMIC EOG	2110	
<u>^</u>	R595	1-247-891-00	CARBON	330K	5%	1/4W	\triangle		1-424-364-11	TRANSFORMER, HO			
<u> </u>	R596	1-249-441-11	CARBON	100K	5%	1/4W	Z:\	1000	(KV-27FV300/29	· ·	JRIZONIAL	LINEAR	
<u>^</u>	R597	1-216-864-11	SHORT						(KV-21FV300/29	FV300 ONLT)			
<u> </u>	R598	1-218-867-11	RES-CHIP	6.8K	5%	1/10W	<u>^</u>	T505	1-435-098-11	TRANSFORMER, HO	ORIZONTAL	LINEAR	
<u> </u>	R599	1-216-825-11	RES-CHIP	2.2K	5%	1/10W			(KV-32FV300/36				
Z:\	R900	1-216-821-11	RES-CHIP	2.2N 1K	5%	1/10W							
									THERMISTOR				
	R901	1-216-823-11	RES-CHIP	1.5K	5%	1/10W			THERMOTOR				
	R902	1-216-809-11	RES-CHIP	100	5%	1/10W		TH501	1-800-193-00	THERMISTOR			
	R903	1-216-825-11	RES-CHIP	2.2K	5%	1/10W							
	R904	1-216-818-11	RES-CHIP	560	5%	1/10W			<u>TUNER</u>				
	R905	1-216-817-11	RES-CHIP	470	5%	1/10W		TU001	8-598-593-00	TUNER, FSS BTF-W	Δ421		
	R906	1-249-417-11	CARBON	1K	5%	1/4W		10001	0 000 000-00	TOTALIX, TOO DIT-W	11141		
	R907	1-216-833-11	RES-CHIP	10K	5%	1/10W			CDVCTAL				
	R908	1-216-829-11	RES-CHIP	4.7K	5%	1/10W			CRYSTAL				
								X001	1-781-931-21	VIBRATOR, CRYSTA	L		
	R909	1-249-417-11	CARBON	1K	5%	1/4W		X301	1-567-505-11	OSCILLATOR, CRYS			
	R910	1-216-833-11	RES-CHIP	10K	5%	1/10W							
	R912	1-249-417-11	CARBON	1K	5%	1/4W							
	11012	7 = 10 111 11	5/11/2011	111	U /U	.,	I						



### A-1400-450-A BC BOARD, MOUNTED *****CAPACITOR*** ****CAPACITOR*** ****CAPACIT	REF. NO.	PART NO.	DESCRIPTION	VALUE	s		REF. NO.	PART NO.	DESCRIPTION	VALU	VALUES	
** A-1400-450-A BC BOARD, MOUNTED** *** *** *** ** ** ** ** **							C3532	1-126-964-11	ELECT	10µF	20%	50V
A-1400-450-A BC BOARD, MOUNTED C3353 1-162-971-11 CERANIC CHIP 15pF 5th 50V	$\mathbf{K}(\cdot)$						C3533	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
CAPACITOR							C3534	1-126-960-11	ELECT	1µF	20%	50V
CASACTIOR C3355 1-162-96-41	*	A-1400-450-A	BC BOARD, MOU	NTED			C3535	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C3355 1-162-964-11 CERAMIC CHIP 0.001µF 10% 50V C3537 1-128-964-11 CERAMIC CHIP 15pF 5% 50V C3538 1-162-971-11 CERAMIC CHIP 15pF 5% 50V C3538 1-162-971-11 CERAMIC CHIP 15pF 5% 50V C3539 1-162-971-11 CERAMIC CHIP 15pF 5% 50V C3539 1-162-971-11 CERAMIC CHIP 15pF 5% 50V C3539 1-162-971-11 CERAMIC CHIP 0.1µF 10% 16V C3539 1-162-971-11 CERAMIC CHIP 0.1µF 10% 16V C3549 1-128-984-11 CERAMIC CHIP 0.1µF 10% 16V C3559 1-182-984-11 CERAMIC CHIP 0.1µF 10% 10V C3559 1-182-984-11 CERAMIC CHIP 0.1µF 10V C3559 1-182-984-11 CERAMIC							C3536	1-126-960-11	ELECT	1μF	20%	50V
C3356 1-162-98-11 CERAMIC CHIP 0.01 F 10% 50V C3538 1-162-917-11 CERAMIC CHIP 15pF 5% 50V C357 1-113-619-11 CERAMIC CHIP 0.47 F 10V C3538 1-162-917-11 CERAMIC CHIP 15pF 5% 50V C3561 1-162-917-11 CERAMIC CHIP 15pF 15pF 15pF 15pF 15pF 15pF 15pF 15pF		CAPACITOR										
C3366 1-128-984-11 ELECT 10µF 20% 50V C3540 1-162-917-11 CERAMIC CHIP 15pF 5% 50V C3541 1-162-921-11 CERAMIC CHIP 0.1µF 10% 16V C3542 1-162-921-11 CERAMIC CHIP 0.1µF 10% 16V C3542 1-162-921-11 CERAMIC CHIP 0.01µF 10% 16V C3542 1-162-94-11 ELECT 10µF 20% 50V C3543 1-162-94-11 ELECT 10µF 20% 50V C3543 1-162-94-11 ELECT 10µF 20% 50V C3543 1-162-94-11 ELECT 20µF 20% 16V C3543 1-162-94-11 ELECT 20µF 20% 50V C3543 1-162-94-11 ELECT 20µF 20% 16V C3553 1-162-94-11 ELECT 40µF 20% 16V C3553 1-162-94-11 ELECT 10µF 20% 16V C3553 1-162-	C3355	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V						
C3357 1-13-619-11 CERAMIC CHIP 0.47µF 10V C3542 1-162-97-11 CERAMIC CHIP 0.1µF 10% 10V C3542 1-162-98-411 ELECT 10µF 20% 50V C3541 1-162-98-411 ELECT 10µF 20% 50V C3543 1-162-98-411 ELECT 20µF 20% 10V C3543 1-162-98-411 ELECT 47µF 20% 50V C3543 1-162-98-411 ELECT 47µF 20% 10V C3553 1-162-98-411 ELECT 10µF 20% 10V C3553 1-162-98-411 EL		1-126-964-11										
C3388 1-128-940-11												
C3359 1-107-828-11 CERAMIC CHIP 0.1µF 10% 16V C3543 1-135-834-91 CERAMIC CHIP 15pF 5% 50V C3546 1-162-917-11 CERAMIC CHIP 15pF 5% 50V C3547 1-128-94-11 CERAMIC CHIP 0.1µF 10% 16V C3549 1-128-94-11 CERAMIC CHIP 0.1µF 10% 16V C3549 1-128-94-11 CERAMIC CHIP 0.1µF 10% 16V C3549 1-128-94-11 CERAMIC CHIP 0.1µF 10W 16V C3549 1-128-94-11 CERAMIC CHIP 0.1µF 10W C3551 1-128-94-11 CERAMIC CHIP 0.1µF 16V C3550 1-162-97-41 CERAMIC CHIP 0.1µF 50V C3561 1-128-94-11 CERAMIC CHIP 0.1µF 16V C3550 1-128-94-11 CERAMIC CHIP 0.1µF 50V C3561 1-128-94-11 CERAMIC CHIP 0.1µF 16V C3555 1-128-94-11 CERAMIC CHIP 0.1µF 50V C3561 1-128-94-11 CERAMIC CHIP 0.1µF 16V C3555 1-128-94-11 CERAMIC CHIP 0.1µF 50V C3561 1-128-94-11 CERAMIC CHIP 0.1µF 16V C3556 1-128-94-11 CERAMIC CHIP 0.1µF 16V C3556 1-162-94-11 CERAMIC CHIP 0.1µF 10W 16V C3556 1-128-94-11 CERAMIC CHIP 0.1µF 10W 16V C3561 1-162-94-11 CERAMIC CHIP 0.1µF 16V C3561 1-162-94-11 CERAMIC CHIP 0.1µF 16V C3561 1-128-94-11 C					20%							
C3360				-			C3542	1-126-964-11	ELECT	10µF	20%	50V
C3390 1-162-97-11 CERAMIC CHIP 0.01pF 10% 25V C3546 1-162-97-11 CERAMIC CHIP 0.1pF 20% 50V C347 1-128-94-11 ELECT 20pF 20% 10V C3399 1-128-98-11 ELECT 10pF 20% 50V C3549 1-128-94-11 ELECT 20pF 20% 10V C3391 1-107-826-11 CERAMIC CHIP 0.1pF 10% 16V C3549 1-128-94-11 ELECT 47pF 20% 16V C3391 1-107-826-11 CERAMIC CHIP 0.1pF 10% 16V C3549 1-128-94-11 ELECT 47pF 20% 16V C3591 1-128-94-11 ELECT 47pF 20% 16V C3591 1-128-94-11 ELECT 47pF 20% 16V C3595 1-128-94-11 ELECT 47pF 20W 16V C3595 1-128-94-11 ELECT 47pF 20W 50V C3595 1-128-94-11 ELECT 47pF 20W 10V C3595 1-128-94				•			C3543	1-135-834-91	CERAMIC CHIP	2 2uF		6.3V
C3391 1-162-967-11 ELECT 27µF 20% 50V C3547 1-128-961-11 ELECT 22µF 20% 10V C3370 1-128-961-11 ELECT 10µF 20% 50V C3548 1-107-826-11 CERAMIC CHIP 0.1µF 10% 16V C3549 1-128-947-11 ELECT 47µF 20% 16V C3550 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3551 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3550 1-162-974-11 ELECT 47µF 20% 16V C3512 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3550 1-162-974-11 ELECT 47µF 20% 16V C3514 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3515 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3560 1-128-947-11 ELECT 47µF 20% 16V C3516 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3560 1-162-974-11 ELECT 47µF 20% 16V C3516 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3560 1-128-947-11 ELECT 47µF 20% 16V C3516 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3560 1-162-974-11 ELECT 47µF 20% 16V C3516 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3560 1-162-974-11 ELECT 47µF 20% 16V C3561 1-162-974-11 ELECT 47µF 20% 16V C3561 1-162-974-11 ELECT 47	C3360	1-162-970-11	CERAMIC CHIP	0.01µF							5%	
C3399 1-128-98-11 ELECT 47µF 20% 50V C3548 1-107-828-11 CERAMIC CHIP 0.1µF 10% 16V C3571 1-107-828-11 CERAMIC CHIP 0.1µF 10% 16V C3549 1-128-947-11 ELECT 47µF 20% 16V C3564 1-128-947-11 ELECT 47µF 20% 16V C3565 1-128-947-11 ELECT 47µF 20% 16V C3565 1-128-947-11 ELECT 47µF 20% 16V C3565 1-128-947-11 ELECT 10µF 20% 50V C3565 1-128-947-11 ELECT 10µF 20% 50V C3567 1-128-947-11 ELECT 10µF 20% 50V C3567 1-128-947-11 ELECT 10µF 20% 50V C3567 1-128-947-11 ELECT 10µF 20% 50V C3561 1-128-947-11 ELECT 10µF 20% 50V C3561 1-128-947-11 ELECT 10µF 20% 50V C3561 1-164-360-11 ELECT 10µF 20% 50V C3567 1-128-947-11 ELECT 20µF 20% 10V C3561 1-164-360-11 ELECT 20µF 20% 10V C3561 1-162-974-11 ELECT	C3361	1-162-922-11	CERAMIC CHIP	39pF	5%	50V	1					
C3370 1-128-984-11 CERAMIC CHIP 0.1 pF 10% 16V C3569 1-128-947-11 ELECT 47 pF 20% 16V C3561 1-128-947-11 ELECT 1 pF 20% 50V C3561 1-128-947-11 ELECT 20 pF 20% 10V C3561 1-128-947-11 ELECT 20 pF 20% 16V C3561 1-128-947-11 ELECT 47 pF 20% 16V C3561 1-128-947-11 ELECT 30 pF 20% 16V C3561 1-128-947-11 ELECT 30 pF 20% 16V C3561 1-128-947-11 ELECT 47 pF 20% 16V C3561 1-128-947-11 ELECT 30 pF 20% 16V C3561 1-128-947-	C3369	1-126-967-11	ELECT	47µF	20%	50V						
C3371 1-10-826-11 CERAMIC CHIP 0.1µF 10% 16V 16V C3551 1-126-94-11 CERAMIC CHIP 0.01µF 50V C3551 1-126-94-11 C4RAMIC CHIP 0.01µF 50V C3551	C3370	1-126-964-11	ELECT	10μF	20%	50V						
C3398 1-128-98-11 ELECT 22µF 20% 50V C3551 1-128-947-11 ELECT 47µF 20% 16V C3550 1-162-202-11 CERAMIC CHIP 27pF 5% 50V C3552 1-162-974-11 CERAMIC CHIP 0.1µF 50V C3550 1-162-974-11 CERAMIC CHIP 0.1µF 50V C3550 1-162-974-11 CERAMIC CHIP 0.1µF 50V C3551 1-128-980-11 CERAMIC CHIP 0.1µF 16V C3554 1-128-980-11 ELECT 1µF 20% 50V C3551 1-128-980-11 ELECT 1µF 20% 50V C3551 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3550 1-162-974-11 CERAMIC CHIP 0.1µF 10% 16V C3551 1-128-980-11 ELECT 220µF 20% 10V C3551 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3553 1-128-974-11 ELECT 220µF 20% 16V C3551 1-128-974-11 ELECT 220µF 20% 16V C3552 1-128-974-11 ELECT 220µF 20%	C3371	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3049	1-120-947-11	ELECT	4/µr	20%	101
C3398 1-126-91-11 ELECT 2.2µF 2.0% 50V C3551 1-126-947-11 ELECT 47µF 2.0% 16V C3552 1-162-920-11 CERAMIC CHIP 2.7pF 5% 50V C3552 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3553 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3553 1-126-980-11 CERAMIC CHIP 0.1µF 16V C3554 1-126-980-11 ELECT 1µF 2.0% 50V 50V C3553 1-126-980-11 ELECT 1µF 2.0% 50V C3553 1-126-980-11 ELECT 1µF 2.0% 50V C3551 1-126-980-11 ELECT 2.20µF 2.0% 10V C3510 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3556 1-107-828-11 CERAMIC CHIP 0.1µF 16V C3557 1-126-974-11 ELECT 47µF 2.0% 16V C3551 1-126-947-11 ELECT 47µF 2.0% 16V C3553 1-126-947-11 ELECT 47µF 2.0% 16V C3551 1-126-947-11 ELECT 47µF 2.0% 16V C3552 1-126-947-11 ELECT 2.0µF			=: ===		222/		C3550	1-162-974-11	CERAMIC CHIP	0.01µF		50V
C3504 1-162-920-11 CERAMIC CHIP 27pF 5% 50V C3552 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3553 1-162-994-11 CERAMIC CHIP 0.01µF 16V C3553 1-162-994-11 CERAMIC CHIP 0.01µF 50V C3563 1-162-994-11 CERAMIC CHIP 0.01µF 16V C3563 1-162-994-11 CERAMIC CHIP 0.01µF 50V C3563 1-162-994-11 CERAMIC CHIP 0.01µF 16V C3563 1-162-994-11 CERAMIC CHIP 0.01µF 50V C3563 1-162-994-11 CERAMIC CHIP 0.01µF 16V C3563 1-162-994-11 CERAM							C3551	1-126-947-11	ELECT	47µF	20%	16V
C3508 1-162-920-11 CERAMIC CHIP 0.1µF 16V C3553 1-162-974-11 CERAMIC CHIP 0.1µF 20% 50V C3507 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3554 1-128-960-11 ELECT 1µF 20% 50V C3507 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3555 1-128-941-11 ELECT 220µF 20% 10V C3510 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3556 1-107-826-11 CERAMIC CHIP 0.1µF 10% 16V C3551 1-162-974-11 CERAMIC CHIP 0.1µF 10% 16V C3551 1-162-974-11 CERAMIC CHIP 0.1µF 50V C3511 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3558 1-126-947-11 ELECT 47µF 20% 16V C3551 1-126-947-11 CERAMIC CHIP 0.1µF 50V C3551 1-162-974-11 CERAMIC CHIP 0.1µF 16V C3566 1-162-974-11 ELECT 47µF 20% 16V C3551 1-162-974-11 CERAMIC CHIP 0.1µF 16V C3561 1-162-974-11 ELECT 47µF 20% 16V C3561 1-162-974-11 ELECT 47µF 20% 16V C3561 1-162-90-11 CERAMIC CHIP 0.1µF 16V C3561 1-162-90-11 CERAMIC CHIP 0.1µF 16V C3561 1-162-90-11 CERAMIC CHIP 0.1µF 16V C3561 1-162-90-11 ELECT 30µF 20% 25V C3521 1-162-90-11 CERAMIC CHIP 0.1µF 16V C3561 1-162-90-11 ELECT 220µF 20% 10V C3561 1-162-90-11 CERAMIC CHIP 0.1µF 16V C3561 1-162-90-11 ELECT 220µF 20% 10V C3561 1-162-90-11 ELECT 220µF 20%										•		
C3508 1-164-380-11 CERAMIC CHIP 0.1 μF 16V C3554 1-126-960-11 ELECT 1 μF 20% 50V C3509 1-164-380-11 CERAMIC CHIP 0.1 μF 16V C3555 1-126-934-11 ELECT 220 μF 20% 10V C3510 1-164-392-11 CERAMIC CHIP 390 μF 5% 50V C3556 1-107-826-11 CERAMIC CHIP 0.1 μF 50V C3511 1-164-390-11 CERAMIC CHIP 0.1 μF 16V C3551 1-126-937-11 ELECT 47 μF 20% 16V C3513 1-216-864-11 SHORT 16V C3559 1-162-974-11 ELECT 47 μF 20% 16V C3513 1-216-864-11 SHORT 16V C3559 1-162-974-11 ELECT 47 μF 20% 16V C3513 1-216-864-11 SHORT 16V C3559 1-162-974-11 ELECT 47 μF 20% 16V C3513 1-164-380-11 CERAMIC CHIP 0.1 μF 16V C3551 1-162-974-11 ELECT 47 μF 20% 16V C3513 1-162-974-11 CERAMIC CHIP 0.1 μF 16V C3513 1-162-974-11 ELECT 47 μF 20% 16V C3513 1-162-974-11 ELECT 47 μF 20% 16V C3513 1-164-380-11 CERAMIC CHIP 0.1 μF 16V C3561 1-162-974-11 ELECT 47 μF 20% 16V C3513 1-164-380-11 CERAMIC CHIP 0.1 μF 16V C3561 1-162-974-11 ELECT 47 μF 20% 16V C3513 1-164-380-11 CERAMIC CHIP 0.1 μF 16V C3561 1-162-974-11 ELECT 47 μF 20% 16V C3513 1-164-380-11 CERAMIC CHIP 0.1 μF 16V C3561 1-162-974-11 ELECT 47 μF 20% 16V C3513 1-164-380-11 CERAMIC CHIP 0.1 μF 16V C3561 1-162-974-11 ELECT 47 μF 20% 16V C3513 1-164-380-11 CERAMIC CHIP 0.1 μF 16V C3561 1-162-974-11 ELECT 47 μF 20% 16V C3513 1-164-380-11 CERAMIC CHIP 0.1 μF 16V C3561 1-162-974-11 ELECT 47 μF 20% 16V C3521 1-164-380-11 CERAMIC CHIP 0.1 μF 16V C3521 1-162-974-11 ELECT 220 μF 20% 16V C3521 1-164-380-11 CERAMIC CHIP 0.1 μF 16V C3521 1-164-3					5%							
C3509 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3509 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3510 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3511 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3512 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3513 1-216-864-11 SHORT C3514 1-162-974-11 CERAMIC CHIP 0.1µF 16V C3515 1-162-974-11 CERAMIC CHIP 0.1µF 50V C3515 1-162-974-11 CERAMIC CHIP 0.1µF 50V C3516 1-162-974-11 CERAMIC CHIP 0.1µF 50V C3516 1-162-974-11 CERAMIC CHIP 0.1µF 50V C3517 1-162-974-11 CERAMIC CHIP 0.1µF 16V C3518 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3518 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3518 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3519 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3519 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3510 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3510 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3511 1-162-974-11 ELECT 47µF 20% 16V C3512 1-162-974-11 ELECT 47µF 20% 16V C3513 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3514 1-162-974-11 ELECT 47µF 20% 16V C3515 1-162-974-11 ELECT 47µF 20% 16V C3516 1-162-974-11 ELECT 47µF 20% 16V C3517 1-126-947-11 ELECT 47µF 20% 16V C3518 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3520 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3521 1-162-90-11 CERAMIC CHIP 0.1µF 16V C3522 1-126-947-11 ELECT 220µF 20% 10V C3523 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3524 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3525 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3526 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3527 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3528 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3529 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3529 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3529 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3520 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3521 1-162-90-11 CERAMIC CHIP 0.1µF 16V C3522 1-126-90-11 CERAMIC CHIP 0.1µF 16V C3523 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3526 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3527 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3528 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3529 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3520 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3520 1-164-380-11 CERAMIC CH											20%	
C35090 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3556 1-107-826-11 CERAMIC CHIP 0.1µF 50V C3511 1-164-380-11 CERAMIC CHIP 0.1µF 16V C3558 1-126-947-11 CERAMIC CHIP 0.01µF 50V C3513 1-216-864-11 SHORT 16V C3558 1-126-947-11 ELECT 47µF 20% 16V C3513 1-216-864-11 CERAMIC CHIP 0.1µF 16V C3568 1-126-947-11 ELECT 47µF 20% 16V C3513 1-216-864-11 CERAMIC CHIP 0.1µF 16V C3568 1-126-947-11 ELECT 47µF 20% 16V C3513 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3568 1-126-947-11 ELECT 47µF 20% 16V C3513 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3562 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3518 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3564 1-126-947-11 ELECT 47µF 20% 16V C3518 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3564 1-126-947-11 ELECT 47µF 20% 16V C3518 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3564 1-126-947-11 ELECT 47µF 20% 16V C3563 1-126-947-11 ELECT 47µF 20% 16V C3564 1-126-947-11 ELECT 47µF 20% 16V C3563 1-126-940-11 ELECT 47µ	C3507	1-164-360-11	CERAMIC CHIP	0.1µF		16V	00004	1 120 300 11	LLLOT	·μ·	2070	00 V
C3510 1-164-392-11 CERAMIC CHIP 390pF 5% 50V C3557 1-162-974-11 CERAMIC CHIP 0.1µF 50V C3511 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3559 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3513 1-216-864-11 SHORT CERAMIC CHIP 0.1µF 16V C3559 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3513 1-216-864-11 CERAMIC CHIP 0.1µF 16V C3561 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3561 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3562 1-162-974-11 ELECT 47µF 20% 16V C3561 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3566 1-162-974-11 ELECT 47µF 20% 16V C3561 1-162-974-11 ELECT 330µF 20% 25V C3562 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3566 1-162-974-11 ELECT 330µF 20% 25V C3562 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3566 1-162-974-11 ELECT 220µF 20% 10V C3562 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3563 1-162-934-11 ELECT 220µF 20% 10V C3562 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3563 1-107-826-11 CERAMIC CHIP 0.1µF 16V C3562 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3563 1-107-826-11 CERAMIC CHIP 0.1µF 16V C3563 1-104-360-11 CERAMIC CHIP 0.1µF 16V C3563 1-104-3	C3509	1-164-360-11	CERAMIC CHIP	0.1uF		16\/						
C3511					50/			1-107-826-11	CERAMIC CHIP		10%	
C3512 1-164-360-11 CERAMIC CHIP SHORT C3513 1-216-864-11 SHORT C3514 1-162-974-11 CERAMIC CHIP SHORT C3514 1-162-974-11 CERAMIC CHIP SHORT C3514 1-162-974-11 CERAMIC CHIP SHORT C3515 1-164-360-11 CERAMIC CHIP SHORT C3516 1-164-360-11 CERAMIC CHIP SHORT C3517 1-126-947-11 ELECT SHORT SHORT C3518 1-164-360-11 CERAMIC CHIP SHORT C3519 1-164-360-11 CERAMIC CHIP SHORT C3519 1-164-360-11 CERAMIC CHIP SHORT C3520 1-164-360-11 CERAMIC CHIP SHORT C3521 1-162-974-11 ELECT SHORT C3522 1-126-947-11 ELECT SHORT C3523 1-164-360-11 CERAMIC CHIP SHORT C3524 1-162-974-11 ELECT SHORT C3524 1-162-974-11 ELECT SHORT C3525 1-164-360-11 CERAMIC CHIP SHORT C3526 1-162-974-11 ELECT SHORT C3527 1-164-360-11 CERAMIC CHIP SHORT C3529 1-164-360-11 CERAMIC CHIP SHORT C3529 1-164-360-11 CERAMIC CHIP SHORT C3520 1-164-360-11 CERAMIC C					J /0		C3557	1-162-974-11	CERAMIC CHIP	0.01µF		50V
C3513 1-216-864-11 SHORT C3514 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3561 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3515 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3562 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3561 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3563 1-126-974-11 CERAMIC CHIP 0.01µF 50V C3564 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3565 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3566 1-162-974-11 CERAMIC CHIP 0.01µF 10V							C3558	1-126-947-11	ELECT	47µF	20%	16V
C3514 1-162-974-11 CERAMIC CHIP O.01μF 50V C3561 C3560 1-126-947-11 ELECT 47μF 20% 16V C3561 1-162-974-11 CERAMIC CHIP O.01μF 50V C3561 1-162-974-11 CERAMIC CHIP O.01μF 50V C3562 1-162-974-11 CERAMIC CHIP O.01μF 50V C3563 1-126-947-11 ELECT 47μF 20% 16V C3564 1-126-947-11 ELECT 47μF 20% 16V C3564 1-126-947-11 ELECT 47μF 20% 16V C3566 1-162-947-11 ELECT 330μF 20% 25V C3560 1-126-940-11 ELECT 330μF 20% 25V C3560 1-126-940-11 ELECT 330μF 20% 25V C3560 1-126-940-11 ELECT 330μF 20% 25V C3560 1-126-947-11 ELECT 330μF 20% 25V C3560 1-126-947-11 ELECT 330μF 20% 25V C3560 1-126-947-11 ELECT 30μF 20% 16V C3560 1-126-947-11 ELECT 330μF 20% 25V C3560 1-126-947-11 ELECT 330μF 20% 16V C3560 1-126-947-11 ELECT 330μF 20% 16V C3560 1-1				υ. ιμτ		10 V	C3559	1-162-974-11	CERAMIC CHIP	0.01µF		50V
C3514 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3561 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3561 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3562 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3561 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3563 1-126-947-11 ELECT 47µF 20% 16V C3561 1-162-974-11 ELECT 47µF 20% 16V C3561 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3564 1-126-947-11 ELECT 47µF 20% 16V C3569 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3569 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3569 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3560 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3560 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3560 1-162-974-11 CERAMIC CHIP 0.01µF 50V C3561 1-162-974-11 ELECT 330µF 20% 25V C3562 1-162-947-11 ELECT 47µF 20% 16V C3560 1-126-940-11 ELECT 330µF 20% 25V C3562 1-126-947-11 ELECT 47µF 20% 16V C3560 1-126-947-11 ELECT 220µF 20% 10V C3563 1-126-947-11 ELECT 220µF 20% 10V C3563 1-126-947-11 ELECT 220µF 20% 10V C3564 1-126-947-11 ELECT 220µF 20% 10V C3565 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3569 1-126-947-11 ELECT 220µF 20% 10V C3560 1-126-947-11 CERAMIC CHIP 0.1µF 16V C3560 1-126-947-11 ELECT 220µF 20% 10V C3560 1-126-947-11 ELECT 20µF 20% 10V C3560 1-126-947-11 ELECT 20µF 20% 10V C3560 1-126-9							C3560	1-126-947-11	FLECT	47uF	20%	16V
C3516	C3514	1-162-974-11	CERAMIC CHIP			50V	1			•	2070	
C3516 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3563 1-126-947-11 ELECT 47µF 20% 16V C3518 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3564 1-126-947-11 ELECT 47µF 20% 16V C3569 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3566 1-162-974-11 CERAMIC CHIP 0.1µF 50V C3520 1-164-360-11 CERAMIC CHIP 27pF 5% 50V C3521 1-162-947-11 ELECT 47µF 20% 16V C3522 1-126-947-11 ELECT 47µF 20% 16V C3582 1-126-947-11 ELECT 47µF 20% 16V C3583 1-126-947-11 ELECT 220µF 20% 10V C3523 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3525 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3526 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3526 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3526 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3527 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3529 1-1	C3515	1-164-360-11	CERAMIC CHIP	0.1µF		16V						
C3517 1-126-924-11 ELECT 330µF 20% 6.3V C3564 1-126-947-11 ELECT 47µF 20% 16V C3518 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3520 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3521 1-162-920-11 CERAMIC CHIP 0.1µF 16V C3522 1-126-947-11 ELECT 47µF 20% 16V C3582 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3523 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3524 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3525 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3526 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3526 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3527 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3529 1-100-100-100-100-100-100-100-100-	C3516	1-164-360-11	CERAMIC CHIP	0.1µF		16V					200/	
C3518 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3519 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3520 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3521 1-162-920-11 CERAMIC CHIP 27pF 5% 50V C3522 1-126-947-11 ELECT 47µF 20% 16V C3523 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3524 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3525 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3526 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3527 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3520 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3521 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3522 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3523 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3524 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3525 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3526 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3527 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3520 1-164-360-11 CERAMIC	C3517	1-126-924-11	ELECT	330µF	20%	6.3V						
C3519 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3520 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3521 1-162-920-11 CERAMIC CHIP 0.1μF 16V C3522 1-126-947-11 ELECT 47μF 20% 16V C3523 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3524 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3525 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3526 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3527 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3528 1-164-360-11 CERAMIC CHIP 0	C3518	1-164-360-11	CERAMIC CHIP	0.1µF		16V	C3304	1-120-947-11	ELECT	4/µr	20%	100
C3520 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3521 1-162-920-11 CERAMIC CHIP 27pF 5% 50V C3522 1-126-947-11 ELECT 47μF 20% 16V C3523 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3524 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3525 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3526 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3527 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3527 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3520 1-164-360-11 CERAMIC CHIP	C3510	1_164_360_11	CERAMIC CHIP	0 1uF		16\/	1					
C3521 1-162-920-11 CERAMIC CHIP 27pF 5% 50V C3522 1-126-947-11 ELECT 47μF 20% 16V C3522 1-126-947-11 ELECT 47μF 20% 16V C3523 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3525 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3526 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3527 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3520 1-154-360-11 CERAMIC CHIP 0.1							C3566		CERAMIC CHIP			50V
C3522 1-126-947-11 ELECT 47μF 20% 16V C3523 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3524 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3525 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3526 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3527 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3530 1-126-947-11 ELECT 47μF 20% 16V					E0/		C3580	1-126-940-11	ELECT	330µF	20%	25V
C3523 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3524 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3525 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3526 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3527 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3530 1-126-947-11 ELECT 47µF 20% 16V							C3581	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3524 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3525 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3526 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3527 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3520 1-573-301-21 CONNECTOR, BOARD TO BOARD 20P C3530 1-126-947-11 ELECT 47µF 20% 16V					20%		C3582	1-126-934-11	ELECT	220µF	20%	10V
C3524 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3525 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3526 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3527 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3530 1-126-947-11 ELECT 47µF 20% 16V	U3523	1-104-300-11	CERAMIC CHIP	υ. ιμτ		100						
C3525 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3526 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3527 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3530 1-126-947-11 ELECT 47µF 20% 16V	C3524	1-164-360-11	CERAMIC CHIP	0.1µF		16V	1					
C3526 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3527 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3530 1-126-947-11 ELECT 47μF 20% 16V		1-164-360-11	CERAMIC CHIP									
C3527 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3528 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3529 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3530 1-126-947-11 ELECT 47μF 20% 16V							C3590	1-104-665-11	ELEUI	100µF	20%	ZDV.
C3528 1-164-360-11 CERAMIC CHIP 0.1μF 16V CONNECTOR C3529 1-164-360-11 CERAMIC CHIP 0.1μF 16V C3529 1-126-947-11 ELECT 47μF 20% 16V C3530 1-126-947-11 ELECT 47μF 20% 16V							1					
C3529 1-164-360-11 CERAMIC CHIP 0.1µF 16V C3530 1-126-947-11 ELECT 47µF 20% 16V								CONNECTOR				
C3530 1-126-947-11 ELECT 47µF 20% 16V	02500	1 164 200 44	CEDAMIC CLUD	0.4		16\/	CN3500	1-573-301-21	CONNECTOR, BOAF	RD TO BOAR	D 20P.	
·				-	000/		1					
C3531 1-164-350-11 CERAMIC CHIP 0.1µF 16V					∠∪%		1					
	C3531	1-164-360-11	CERAMIC CHIP	0.1µF		16V		4				



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES	S	
	DIODE				TRANSISTOR				
D3550	8-719-977-28	DIODE UDZSTE-1710B		Q3500	8-729-424-02	TRANSISTOR 2SB709A	-QRS-TX		
				Q3501	8-729-422-27	TRANSISTOR 2SD601A			
	FERRITE BEAD			Q3502	8-729-424-02	TRANSISTOR 2SB709A			
	I LIMITE BLAD			Q3503	8-729-422-27	TRANSISTOR 2SD601A			
FB3502	1-414-234-22	FERRITE	0μH	Q3504	8-729-424-02	TRANSISTOR 2SB709A			
FB3503	1-414-234-22	FERRITE	0μΗ						
FB3504	1-414-234-22	FERRITE	0μΗ	Q3505	8-729-422-27	TRANSISTOR 2SD601A	-ORS-TX		
FB3505	1-414-234-22	FERRITE	0μH	Q3506	8-729-422-27	TRANSISTOR 2SD601A			
FB3506	1-414-234-22	FERRITE	0μH	Q3508	8-729-422-27	TRANSISTOR 2SD601A			
				Q3509	8-729-424-02	TRANSISTOR 2SB709A			
				Q3510	8-729-424-02	TRANSISTOR 2SB709A			
FB3507	1-414-234-22	FERRITE	0μH	Q0010	0 120 121 02	110 11010 1011 2021 0071	QITO IX		
FB3508	1-414-234-22	FERRITE	0μH	Q3511	8-729-422-27	TRANSISTOR 2SD601A	-ORS-TX		
FB3509	1-414-234-22	FERRITE	0μH	Q3512	8-729-422-27	TRANSISTOR 2SD601A			
			·	Q3513	8-729-422-27	TRANSISTOR 2SD601A			
	<u>FILTER</u>			Q3514	8-729-424-02	TRANSISTOR 2SB709A			
	HEILIX			Q3515	8-729-422-27	TRANSISTOR 2SD601A			
FL3500	1-239-848-21	FILTER, LOW PASS		Q0010	0 120 422 21	110 11010101010 20000170	QIO IX		
FL3501	1-239-848-21	FILTER, LOW PASS		Q3516	8-729-422-27	TRANSISTOR 2SD601A	-ORS-TX		
FL3502	1-239-848-21	FILTER, LOW PASS		Q3517	8-729-422-27	TRANSISTOR 2SD601A			
FL3503	1-239-848-21	FILTER, LOW PASS		Q3517 Q3590	8-729-926-14	TRANSISTOR 2SD1292			
FL3504	1-233-736-21	FILTER, EMI		QUUU	0-723-320-14	11/4/10/01/01/20/01/20/			
FL3505	1-233-736-21	FILTER, EMI			RESISTOR				
FL3506	1-233-736-21	FILTER, EMI		R3301	1-216-805-11	RES-CHIP	47	5%	1/10W
				R3302	1-216-805-11	RES-CHIP		5%	1/10W
	<u>IC</u>			R3303	1-216-833-11	RES-CHIP		5%	1/10W
				R3364	1-216-845-11	RES-CHIP		5%	1/10W
IC3501	6-700-960-01	IC UPD64083GF-3BA		R3365	1-216-841-11	RES-CHIP		5%	1/10W
IC3502	8-759-462-91	IC TA1226N						• / •	
IC3503	8-759-583-47	IC UPC2933T-E1		R3366	1-216-850-11	RES-CHIP	270K	5%	1/10W
IC3504	6-700-394-01	IC BA25BC0FP-E2		R3369	1-216-843-11	RES-CHIP		5%	1/10W
IC3505	8-759-394-35	IC BA12T		R3373	1-216-809-11	RES-CHIP		5%	1/10W
				R3505	1-216-864-11	SHORT	100	0 70	171011
	CHIP CONDUCTO	OR .		R3506	1-216-864-11	SHORT			
				110000	1 210 001 11	OHORI			
JR3301	1-216-864-11	SHORT		R3507	1-216-864-11	SHORT			
JR3302	1-216-864-11	SHORT		R3508	1-216-864-11	SHORT			
JR3501	1-216-864-11	SHORT		R3509	1-216-821-11	RES-CHIP	1K	5%	1/10W
				R3510	1-216-817-11	RES-CHIP		5%	1/10W
	COIL			R3511	1-216-817-11	RES-CHIP		5%	1/10W
L3352	1-414-186-31	INDUCTOR	33µH						
L3500	1-414-265-21	INDUCTOR	4.7µH	R3514	1-216-809-11	RES-CHIP	100	5%	1/10W
L3501	1-412-058-11	INDUCTOR	10µH	R3515	1-216-824-11	RES-CHIP	1.8K	5%	1/10W
L3502	1-412-058-11	INDUCTOR	10µH	R3516	1-216-824-11	RES-CHIP	1.8K	5%	1/10W
L3503	1-412-058-11	INDUCTOR	10μΗ	R3517	1-216-809-11	RES-CHIP	100	5%	1/10W
				R3518	1-216-809-11	RES-CHIP	100	5%	1/10W
L3504	1-412-058-11	INDUCTOR	10μH						
L3505	1-412-058-11	INDUCTOR	10μH <u></u>	R3519	1-216-864-11	SHORT	. =1.	0.500/	4/40121
				R3520	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W



REF. NO.	PART NO.	DESCRIPTION	VALUE	S			REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
R3521	1-216-817-11	RES-CHIP	470	5%	1/10W		R3570	1-216-839-11	RES-CHIP	33K	5%	1/10W
R3522	1-216-817-11	RES-CHIP	470	5%	1/10W		R3571	1-216-834-11	RES-CHIP	12K	5%	1/10W
R3523	1-216-821-11	RES-CHIP	1K	5%	1/10W		R3572	1-216-821-11	RES-CHIP	1K	5%	1/10W
R3524	1-216-841-11	RES-CHIP	47K	5%	1/10W		R3573	1-216-805-11	RES-CHIP	47	5%	1/10W
R3525	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		R3580	1-215-857-71	METAL OXIDE	10	5%	1W
110020	1-210-020-11	NEO-OIIII	2.21	370	1/1044		110000	1-213-037-71	WIL TAL OAIDL	10	J /0	1 V V
R3526	1-216-849-11	RES-CHIP	220K	5%	1/10W		R3582	1-216-817-11	RES-CHIP	470	5%	1/10W
R3527	1-218-676-11	METAL CHIP	220	0.50%	1/16W		R3588	1-216-818-11	RES-CHIP	560	5%	1/10W
R3528	1-216-818-11	RES-CHIP	560	5%	1/10W							
R3529	1-216-818-11	RES-CHIP	560	5%	1/10W			CRYSTAL				
R3530	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		V2500		VIDDATOD ODVOTAL			
R3531	1 016 001 11	RES-CHIP	11/	5%	1/10\\	l_	X3500	1-767-606-11	VIBRATOR, CRYSTAL			
	1-216-821-11		1K		1/10W	╙	.					
R3532	1-216-809-11	RES-CHIP	100	5%	1/10W		IU					
R3534	1-216-821-11	RES-CHIP	1K	5%	1/10W		*	A-1400-451-A	HU BOARD, MOUNT	ΓFD		
R3535	1-216-809-11	RES-CHIP	100	5%	1/10W			A 1400 401 A	no borno, moon			
R3538	1-216-821-11	RES-CHIP	1K	5%	1/10W			CAPACITOR				
R3539	1-216-818-11	RES-CHIP	560	5%	1/10W			CAPACITOR				
R3540	1-216-821-11	RES-CHIP	1K	5%	1/10W		C2234	1-126-960-11	ELECT	1µF	20%	50V
R3541	1-216-830-11	RES-CHIP	5.6K	5%	1/10W		C2235	1-126-960-11	ELECT	1µF	20%	50V
R3542	1-216-818-11	RES-CHIP	560	5%	1/10W		C2240	1-126-959-11	ELECT	0.47µF	20%	50V
R3543	1-216-821-11	RES-CHIP	1K	5%	1/10W		C2241	1-126-959-11	ELECT	0.47µF	20%	50V
110040	1-210-021-11	NEO-OIIII	IIX	J /0	1/1000							
R3544	1-216-821-11	RES-CHIP	1K	5%	1/10W			CONNECTOR				
R3545	1-216-818-11	RES-CHIP	560	5%	1/10W	*	CN1001	1-564-506-11	PLUG,CONNECTOR	3P		
R3547	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	*	CN1001	1-564-508-11	PLUG,CONNECTOR	5P		
R3548	1-216-864-11	SHORT				*	CN1002	1-564-507-11	PLUG,CONNECTOR	4P		
R3549	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		0111000	1-004-307-11	1 LOO,OONNEOTON	וד		
DOFFO	4 040 000 44	DEC OUID	000	5 0/	4/40\4/			DIODE				
R3550	1-216-820-11	RES-CHIP	820	5%	1/10W							
R3551	1-218-686-11	METAL CHIP	560		1/16W		D301	8-719-929-15	DIODE MTZJ-T-77-9.1B			
R3552	1-216-812-11	RES-CHIP	180	5% 5%	1/10W		D2235	8-719-929-15	DIODE MTZJ-T-77-9.1B			
R3553	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		D2236	8-719-929-15	DIODE MTZJ-T-77-9.1B	3		
R3554	1-216-820-11	RES-CHIP	820	5%	1/10W							
R3555	1-216-834-11	RES-CHIP	12K	5%	1/10W			<u>JACK</u>				
R3556	1-216-839-11	RES-CHIP	33K	5%	1/10W		J2231	1-770-053-12	TERMINAL BLOCK, S (LIGHT ANG	SLE)	
R3557	1-216-821-11	RES-CHIP	1K	5%	1/10W							
R3558	1-216-805-11	RES-CHIP	47	5%	1/10W			RESISTOR				
R3559	1-216-864-11	SHORT										
							R1001	1-249-425-11	CARBON	4.7K	5%	1/4W
R3560	1-216-821-11	RES-CHIP	1K	5%	1/10W		R1002	1-249-420-11	CARBON	1.8K	5%	1/4W
R3561	1-216-818-11	RES-CHIP	560	5%	1/10W		R1003	1-249-417-11	CARBON	1K	5%	1/4W
R3563	1-216-864-11	SHORT				1	R2008	1-249-425-11	CARBON	4.7K	5%	1/4W
R3564	1-216-864-11	SHORT				1	R2009	1-249-420-11	CARBON	1.8K	5%	1/4W
R3565	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	1						
							R2010	1-249-417-11	CARBON	1K	5%	1/4W
R3566	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	1	R2011	1-249-416-11	CARBON	820	5%	1/4W
R3567	1-216-819-11	RES-CHIP	680	5%	1/10W		R2235	1-249-409-11	CARBON	220	5%	1/4W
R3568	1-216-820-11	RES-CHIP	820	5%	1/10W		R2236	1-249-441-11	CARBON	100K	5%	1/4W
R3569	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	1	R2237	1-249-409-11	CARBON	220	5%	1/4W
						•						



REF. NO.	PART NO.	DESCRIPTION	VALUES	S			REF. NO.	PART NO.	DESCRIPTION	VALUI	ES	
R2238	1-249-441-11	CARBON	100K	5%	1/4W		C3321	1-113-619-11	CERAMIC CHIP	0.47µF		10V
R2239	1-247-804-11	CARBON	75	5%	1/4W		C3322	1-164-373-11	CERAMIC CHIP	0.033µF		25V
R2240	1-247-804-11	CARBON	75	5%	1/4W		C3323	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
R2241	1-247-804-11	CARBON	75	5%	1/4W		C3324	1-162-918-11	CERAMIC CHIP	18pF	5%	50V
INZZTI	1-247-004-11	OARDON	10	J /0	1/777		C3327	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
	SWITCH						03321	1-104-313-11	CENAINIC CHIP	470pr	3 /0	50 V
							C3328	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
S1007	1-762-816-11	SWITCH TACTILE					C3329	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
S1008	1-762-816-11	SWITCH TACTILE					C3330	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
S2001	1-692-431-21	SWITCH TACTILE					C3331	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
S2002	1-692-431-21	SWITCH TACTILE					C3332	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
S2003	1-692-431-21	SWITCH TACTILE										
00004	4 000 404 04	CIA/ITOLL TA CTIL F					C3334	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
S2004	1-692-431-21	SWITCH TACTILE					C3335	1-164-360-11	CERAMIC CHIP	0.1µF		16V
S2005	1-692-431-21	SWITCH TACTILE					C3336	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
							C3337	1-164-360-11	CERAMIC CHIP	0.1µF		16V
D							C3338	1-164-360-11	CERAMIC CHIP	0.1µF		16V
							C3339	1-126-965-91	ELECT	22µF	20%	50V
*	A-1400-456-A	P (VAR) BOARD, MO	DUNTED				C3340	1-126-947-11	ELECT	47µF	20%	16V
							C3341	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	4-382-854-11	SCREW (M3X10), P, SV	V (+)				C3390	1-102-376-11	ELECT	100μF	20%	25V
		(()				C3390	1-104-665-11	ELECT	100μF	20%	25V
	CAPACITOR						03381	1-104-005-11	ELECT	τουμι	20 /0	250
C100	1-126-968-11	ELECT	100µF	20%	50V			CONNECTOR				
C102	1-126-947-11	ELECT	47µF	20%	25V	*	ONIODOO	4 004 000 04	CONNECTOR ROADS	TO DO A DE	1 4 E D	
C103	1-126-964-11	ELECT	10μF	20%	50V	*	CN3302	1-691-632-21	CONNECTOR, BOARD			
C104	1-126-967-11	ELECT	47μF	20%	50V		CN3303	1-691-632-21	CONNECTOR, BOARD	TO BOARL) 15P	
C106	1-162-968-11	CERAMIC CHIP	0.0047µF		50V		CN6600	1-695-915-11	TAB (CONTACT)			
0.00		000 0	0.00 p.					DIODE				
C107	1-126-960-11	ELECT	1μF	20%	50V			DIODE				
C109	1-164-230-11	CERAMIC CHIP	220pF	5%	50V		D103	8-719-404-50	DIODE MA111-TX			
C110	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V		D104	8-719-404-50	DIODE MA111-TX			
C111	1-126-960-11	ELECT	1µF	20%	50V		D3301	8-719-404-50	DIODE MA111-TX			
C3300	1-115-156-11	CERAMIC CHIP	1µF		10V		D3304	8-719-109-72	DIODE MTZJ-T-77-3.9B	}		
C3301	1-115-156-11	CERAMIC CHIP	1μF		10V			<u>IC</u>				
C3302	1-115-156-11	CERAMIC CHIP	1μF	000/	10V		102204	6 701 754 01	IC M65665ASP			
C3303	1-126-947-11	ELECT	47µF	20%	16V		IC3301	6-701-754-01				
C3304	1-164-315-11	CERAMIC CHIP	470pF	5%	50V		IC3390	8-759-701-59	IC NJM78M09FA			
C3305	1-164-360-11	CERAMIC CHIP	0.1µF		16V			CHIP CONDUCT	OB			
C3308	1-126-947-11	ELECT	47µF	20%	16V							
C3312	1-164-315-11	CERAMIC CHIP	470pF	5%	50V		JR001	1-216-864-11	SHORT			
C3313	1-162-927-11	CERAMIC CHIP	100pF	5%	50V		JR002	1-216-864-11	SHORT			
C3316	1-126-947-11	ELECT	47µF	20%	16V							
C3317	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V			COIL				
30011	. 102 010 11	0_10 umo 01m	ο.ο.μι	10/0			1.150		INDLICTOR	100		
C3318	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		L150	1-414-857-11	INDUCTOR	100µH		
C3319	1-126-947-11	ELECT	47μF	20%	16V		L3300	1-412-058-11	INDUCTOR	10µH		
C3320	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		L3301	1-410-682-31	INDUCTOR	470µH		
			•				L3302	1-412-058-11	INDUCTOR	10µH		



REF. NO.	PART NO.	DESCRIPTION	VALUE	S		REF. NO.	PART NO.	DESCRIPTION	VAL	JES	
L3303	1-412-058-11	INDUCTOR	10µH			R3311	1-216-819-11	RES-CHIP	680	5%	1/10W
L3390	1-412-525-31	INDUCTOR	10µH			R3312	1-216-864-11	SHORT			
						R3313	1-216-864-11	SHORT			
	TRANSISTOR					R3314	1-216-864-11	SHORT			
	INANOIOTON					R3318	1-216-833-11	RES-CHIP	10K	5%	1/10W
Q151	8-729-424-02	TRANSISTOR 2SB709	A-QRS-TX								
Q152	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX			R3319	1-216-833-11	RES-CHIP	10K	5%	1/10W
Q3300	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX			R3320	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
Q3301	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX			R3321	1-216-864-11	SHORT			
Q3302	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX			R3323	1-249-414-11	CARBON	560	5%	1/4W
						R3324	1-216-821-11	RES-CHIP	1K	5%	1/10W
Q3304	8-729-926-14	TRANSISTOR 2SD129)2								
Q3305	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX			R3327	1-216-864-11	SHORT			
Q3307	8-729-424-02	TRANSISTOR 2SB709	A-QRS-TX			R3328	1-216-821-11	RES-CHIP	1K	5%	1/10W
Q3308	8-729-424-02	TRANSISTOR 2SB709	A-QRS-TX			R3329	1-216-864-11	SHORT			
Q3309	8-729-424-02	TRANSISTOR 2SB709	A-QRS-TX			R3330	1-216-821-11	RES-CHIP	1K	5%	1/10W
						R3331	1-216-821-11	RES-CHIP	1K	5%	1/10W
Q3310	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX								
Q3312	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX			R3335	1-215-857-71	METAL OXIDE	10	5%	1W
						R3336	1-216-817-11	RES-CHIP	470	5%	1/10W
	RESISTOR					R3343	1-216-821-11	RES-CHIP	1K	5%	1/10W
D.100		D=0.0111D		=0/		R3346	1-216-821-11	RES-CHIP	1K	5%	1/10W
R100	1-216-809-11	RES-CHIP	100	5%	1/10W	R3347	1-216-833-11	RES-CHIP	10K	5%	1/10W
R101	1-216-809-11	RES-CHIP	100	5%	1/10W						
R103	1-216-837-11	RES-CHIP	22K	5%	1/10W	R3348	1-216-833-11	RES-CHIP	10K	5%	1/10W
R104	1-216-839-11	RES-CHIP	33K	5%	1/10W	R3350	1-216-864-11	SHORT			
R105	1-216-809-11	RES-CHIP	100	5%	1/10W	R3351	1-216-813-11	RES-CHIP	220	5%	1/10W
						R3354	1-216-863-11	RES-CHIP	3.3M	5%	1/10W
R106	1-216-817-11	RES-CHIP	470	5%	1/10W	R3359	1-216-864-11	SHORT			
R107	1-216-817-11	RES-CHIP	470	5%	1/10W						
R108	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R3360	1-216-864-11	SHORT			
R112	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R3361	1-216-864-11	SHORT			
R113	1-216-845-11	RES-CHIP	100K	5%	1/10W	R3362	1-216-827-11	RES-CHIP	3.3K	5%	1/10W
5444		D=0.0111D		-0/		R3363	1-216-839-11	RES-CHIP	33K	5%	1/10W
R114	1-216-857-11	RES-CHIP	1M	5%	1/10W	R3364	1-247-807-31	CARBON	100	5%	1/4W
R115	1-216-833-11	RES-CHIP	10K	5%	1/10W						
R116	1-216-833-11	RES-CHIP	10K	5%	1/10W	R3365	1-247-807-31	CARBON	100	5%	1/4W
R117	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R3368	1-216-833-11	RES-CHIP	10K	5%	1/10W
R3300	1-216-841-11	RES-CHIP	47K	5%	1/10W	R3369	1-216-864-11	SHORT			
						R3372	1-216-864-11	SHORT			
R3301	1-216-821-11	RES-CHIP	1K	5%	1/10W	R3374	1-216-864-11	SHORT			
R3302	1-216-841-11	RES-CHIP	47K	5%	1/10W	R3390	1-216-395-00	METAL OXIDE	3.3	5%	3W
R3303	1-216-821-11	RES-CHIP	1K	5%	1/10W						
R3304	1-216-821-11	RES-CHIP	1K	5%	1/10W		TUNER				
R3305	1-216-841-11	RES-CHIP	47K	5%	1/10W		TONEIX				
Dooco	4 040 007 11	DEO CLUB	001/	F0/	4/4014/	TU150	8-598-594-00	TUNER, FSS BTF-FA	421		
R3306	1-216-837-11	RES-CHIP	22K	5%	1/10W						
R3307	1-216-821-11	RES-CHIP	1K	5%	1/10W		CRYSTAL				
R3308	1-216-837-11	RES-CHIP	22K	5%	1/10W	,,					
R3309	1-216-817-11	RES-CHIP	470	5%	1/10W	X3301	1-781-377-41	VIBRATOR, CRYSTA	_		
R3310	1-216-841-11	RES-CHIP	47K	5%	1/10W						



REF. NO.	PART NO.	DESCRIPTION	VALUES	S			REF. NO.	PART NO.	DESCRIPTION	VALUE	ES	
							C415	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
HR							C416	1-126-947-11	ELECT	47µF	20%	25V
							C417	1-126-963-11	ELECT	4.7µF	20%	50V
*	A-1400-459-A	HR (COM) BOARD,	MOUNTED)			C418	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
							C419	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V
	CAPACITOR						0.400	4 400 070 44	0554440 0145	0.04.5	100/	05) (
C3001	1-104-665-11	ELECT	100μF	20%	25V		C420	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
				_0,,			C421	1-162-970-11	CERAMIC CHIP	0.01µF	10% 20%	25V 25V
	CONNECTOR						C422 C423	1-126-947-11 1-162-970-11	ELECT CERAMIC CHIP	47μF 0.01μF	10%	25V 25V
	CONNECTOR						C423	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V 25V
CN3001	1-564-521-11	PLUG, CONNECTOR	6P				0424	1-102-970-11	CENAINIC OF IIF	υ.υ τμι	10 /0	250
	DIODE						C425	1-126-947-11	ELECT	47μF	20%	25V
	DIODE						C426	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
D3002	8-719-057-09	DIODE LNJ801LPDJA	4				C427	1-126-933-11	ELECT	100μF	20%	16V _.
	<u>IC</u>							CONNECTOR				
IC3001	— 8-742-211-20	HYB IC SBX3071-71				*	CN415	1-564-520-11	PLUG,CONNECTOR	5P		
100001	071221120	TITE TO GENOOT TIT										
	RESISTOR							DIODE				
R3001	1-249-417-11	CARBON	1K	5%	1/4W		D401	8-719-109-89	DIODE MTZJ-T-77-5.6C			
R3014	1-247-807-31	CARBON	100	5%	1/4W		D402	8-719-057-93	DIODE SVC203SPA-AL			
							D403	8-719-057-93	DIODE SVC203SPA-AL			
	SWITCH						D404	8-719-992-13	DIODE DAL5815			
S3006	1-572-198-11	SWITCH KEYBOARD					D405	8-719-992-13	DIODE DAL5815			
	1-372-130-11	OWNOTINETBOARD					D406	8-719-992-13	DIODE DAL5815			
T							D407	8-719-992-13	DIODE DAL5815			
							D408	8-719-992-13	DIODE DAL5815			
*	A-1400-460-A	T BOARD, MOUNTE	D				D409	8-719-992-13	DIODE DAL5815			
	(KV-32FV300/3	6FV300 ONLY)					D410	8-719-992-13	DIODE DAL5815			
							D411	8-719-992-13	DIODE DAL5815			
	CAPACITOR							IC				
C401	1-162-923-11	CERAMIC CHIP	47pF	5%	50V			<u>IC</u>				
C402	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V		IC401	8-759-939-73	IC BA3308			
C403	1-126-963-11	ELECT	4.7µF	20%	50V							
C404	1-164-739-11	CERAMIC CHIP	560pF	5%	50V			COIL				
C405	1-126-947-11	ELECT	47μF	20%	25V		L401	1-411-987-11	COIL (OSC)			
0400	4 400 070 44	CEDAMIC CLUD	0.04	400/	25/		L401	1-411-988-11	COIL (OSC)			
C406	1-162-970-11 1-165-176-11	CERAMIC CHIP	0.01µF 0.047µF	10%	25V		L402	1-410-482-31	INDUCTOR	100µH		
C407 C408	1-164-739-11	CERAMIC CHIP CERAMIC CHIP	0.047μF 560pF	10% 5%	16V 50V		L 100	. 110 102 01		ισομιι		
C400 C409	1-104-739-11	ELECT	300pF 4.7μF	20%	50V			TRANSISTOR				
C409	1-162-923-11	CERAMIC CHIP	4.7μΓ 47pF	5%	50V			INAROBIUK				
0+10	1-102-020-11	OLIVAIVIIO OLIII	ואוד	J /0	JU V		Q401	8-729-266-83	TRANSISTOR 2SC2668	-YTP		
C411	1-126-963-11	ELECT	4.7µF	20%	50V		Q402	8-729-266-83	TRANSISTOR 2SC2668	-YTP		
C412	1-162-966-11	CERAMIC CHIP	0.0022µF		50V		Q403	8-729-423-33	TRANSISTOR 2SC3311	A-QRSTA		
C413	1-162-966-11	CERAMIC CHIP	0.0022μF		50V		Q404	8-729-424-02	TRANSISTOR 2SB709A	-QRS-TX		
C414	1-126-947-11	ELECT	47μF	20%	25V		Q405	8-729-424-02	TRANSISTOR 2SB709A	N-QRS-TX		
			•									



REF. NO.	PART NO.	DESCRIPTION	VALUI	ES			REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
Q406	8-729-931-14	TRANSISTOR 2SD18	358-Q-TV2				R436	1-216-797-11	RES-CHIP	10	5%	1/10W
Q407	8-729-931-14	TRANSISTOR 2SD18	58-Q-TV2				R437	1-216-797-11	RES-CHIP	10	5%	1/10W
Q408	8-729-931-14	TRANSISTOR 2SD18	58-Q-TV2				R438	1-216-797-11	RES-CHIP	10	5%	1/10W
Q409	8-729-931-14	TRANSISTOR 2SD18	58-Q-TV2				R439	1-216-826-11	RES-CHIP	2.7K	5%	1/10W
Q410	8-729-424-02	TRANSISTOR 2SB70	9A-QRS-TX				R440	1-216-864-11	SHORT			
Q411	8-729-424-02	TRANSISTOR 2SB70	9A-QRS-TX									
							R441	1-216-864-11	SHORT			
	RESISTOR						R460	1-216-826-11	RES-CHIP	2.7K	5%	1/10W
R401	1-216-841-11	RES-CHIP	47K	5%	1/10W							
R402	1-216-841-11	RES-CHIP	47K	5%	1/10W	11(
R403	1-216-841-11	RES-CHIP	47K	5%	1/10W							
R404	1-216-823-11	RES-CHIP	1.5K	5%	1/10W		*	A-1400-455-A	C (COM) BOARD,	MOUNTED		
R405	1-216-809-11	RES-CHIP	100	5%	1/10W				9FV300/32FV300 OI			
							*		C (VAR) BOARD,			
R406	1-216-823-11	RES-CHIP	1.5K	5%	1/10W			(KV-36FV300 C	ONLY)			
R407	1-216-863-11	RES-CHIP	3.3M	5%	1/10W							
R408	1-216-841-11	RES-CHIP	47K	5%	1/10W			4-382-854-11	SCREW (M3X10), P,	SW (+)		
R409	1-216-823-11	RES-CHIP	1.5K	5%	1/10W							
R410	1-216-823-11	RES-CHIP	1.5K	5%	1/10W			CAPACITOR				
D444	4 040 000 44	DEC CLUD	100	F 0/	4/40\4/		C701	1-126-947-11	ELECT	47µF	20%	25V
R411	1-216-809-11	RES-CHIP	100	5%	1/10W		C702	1-136-165-00	FILM	0.1µF	5%	50V
R412	1-218-713-11	METAL CHIP	7.5K		1/16W		C703	1-126-947-11	ELECT	47µF	20%	25V
R413	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		C704	1-107-652-11	ELECT	10μF	20%	250V
R414	1-216-833-11	RES-CHIP	10K	5%	1/10W		C705	1-107-652-11	ELECT	10μF	20%	250V
R415	1-249-411-11	CARBON	330	5%	1/4W							
R416	1-216-837-11	RES-CHIP	22K	5%	1/10W		C706	1-137-528-11	MYLAR	0.1µF	10%	250V
R417	1-216-837-11	RES-CHIP	22K	5%	1/10W		C707	1-162-114-00	CERAMIC	0.0047µF		2KV
R418	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		C708	1-136-165-00	FILM	0.1µF	5%	50V
R419	1-216-833-11	RES-CHIP	10K	5%	1/10W		C709	1-126-964-11	ELECT	10μF	20%	50V
R420	1-216-852-11	RES-CHIP	390K	5%	1/10W		C710	1-126-964-11	ELECT	10μF	20%	50V
							C711	1-102-074-00	CERAMIC	0.001µF	10%	50V
R421	1-216-809-11	RES-CHIP	100	5%	1/10W							
R422	1-216-809-11	RES-CHIP	100	5%	1/10W			CONNECTOR				
R423	1-216-852-11	RES-CHIP	390K	5%	1/10W	*	CN701	1-564-506-11	PLUG,CONNECTOR		3P	
R424	1-216-823-11	RES-CHIP	1.5K	5%	1/10W		CN701	1-695-915-11	TAB (CONTACT)		OI .	
R425	1-216-827-11	RES-CHIP	3.3K	5%	1/10W		CN704	1-785-879-11	CONNECTOR, ONE	TOLICH		
						*	CN705	1-564-511-11	PLUG, CONNECTOR		8P	
R426	1-218-731-11	METAL CHIP	43K	0.50%	1/16W	*	CN705	1-564-510-11	PLUG, CONNECTOR		7P	
R427	1-216-827-11	RES-CHIP	3.3K	5%	1/10W	*	CN700	1-560-124-00	PLUG,CONNECTOR		7P 4P	
R428	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		ONTUT			(L.JIVIIVI)	₹F	
R429	1-216-825-11	RES-CHIP	2.2K	5%	1/10W			(KV-36FV300 ON	LI)			
R430	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W			DIODE				
R431	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W		D701	8-719-901-83	DIODE 1SS83TD			
R432	1-218-731-11	METAL CHIP	43K	0.50%	1/16W		D701	8-719-901-83	DIODE 1SS83TD			
R433	1-216-826-11	RES-CHIP	2.7K	5%	1/10W		D702 D703	8-719-901-83	DIODE 1SS83TD			
R434	1-216-826-11	RES-CHIP	2.7K	5%	1/10W		D703	8-719-302-43	DIODE RGP10GPKG	223		
R435	1-216-797-11	RES-CHIP	10	5%	1/10W		DIV 1	0-118-002-40	DIODE NOT IUGENO	J2J,		



RE	F. NO.	PART NO.	DESCRIPTION	VALUE	S		REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
		<u>IC</u>										
IC:	701	8-759-803-42	IC LA6500-FA				V					
	702	8-759-562-43	IC TDA6108JF/N1B				*		V (VAR) BOARD, N	OUNTED		
		COIL					*		V (VAR) BOARD, N	OUNTED		
L7	'n1	1-408-613-31	INDUCTOR	68µH			*	•	29FV300 ONLY)	OUNTED		
Li	01		INDOOTOR	σομιί				(KV-36FV300 (V (VAR) BOARD, N DNLY)	IOUNTED		
		TRANSISTOR						4-382-854-11	SCREW (M3X10), P, S	SW (+)		
	700	8-729-423-33	TRANSISTOR 2SC3311						(, (, (),,	,,,		
Qī	701	8-729-423-33	TRANSISTOR 2SC3311.	A-QRSTA				CAPACITOR				
		RESISTOR					C802	1-126-964-11	ELECT	10µF	20%	50V
R7	700	1-249-433-11	CARBON	22K	5%	1/4W	C803	1-137-378-11	MYLAR	0.22µF	5%	50V
	701	1-249-429-11	CARBON	10K	5%	1/4W	C804	1-137-378-11	MYLAR	0.22µF	5%	50V
	702	1-249-409-11	CARBON	220	5%	1/4W	C805	1-129-763-61	FILM	0.033µF	5%	200V
	703	1-249-409-11	CARBON	100	5%	1/4VV 1/4W	C808	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
		1-247-007-31			5% 5%							
K/	704	1-249-420-11	CARBON	5.6K	5%	1/4W	C809	1-128-934-91	CERAMIC CHIP	0.33µF	20%	10V
D7	705	1 040 400 44	CADDON	401/	E0/	4/4\4/	C810	1-130-495-00	MYLAR	0.1µF	5%	50V
	705	1-249-429-11	CARBON	10K	5%	1/4W	C811	1-129-765-00	FILM	0.047µF	5%	200V
^	706	1-249-381-11	CARBON	1	5%	1/4W	C812	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
<u> </u>		1-249-383-11	CARBON	1.5	5%	1/4W	C813	1-126-933-11	ELECT	100µF	20%	16V
	708	1-247-807-31	CARBON	100	5%	1/4W						
R/	709	1-247-807-31	CARBON	100	5%	1/4W	C821	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
			0.1550		=0/		C823	1-130-967-00	FILM	0.0027µF	5%	50V
	710	1-247-807-31	CARBON	100	5%	1/4W	C824	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
	711	1-260-328-11	CARBON	1K	5%	1/2W	C826	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
	712	1-260-328-11	CARBON	1K	5%	1/2W	C862	1-126-964-11	ELECT	10μF	20%	50V
	713	1-260-328-11	CARBON	1K	5%	1/2W						
R7	714	1-260-087-11	CARBON	100	5%	1/2W	C901	1-107-667-11	ELECT	2.2µF	20%	160V
							C902	1-107-364-11	MYLAR	0.01µF	10%	200V
	715	1-260-132-11	CARBON	560K	5%	1/2W	C903	1-126-935-11	ELECT	470µF	20%	16V
	716	1-260-123-11	CARBON	100K	5%	1/2W	C904	1-130-471-00	MYLAR	0.001µF	5%	50V
	718	1-216-373-11	METAL OXIDE	2.2	5%	2W	C905	1-107-364-11	MYLAR	0.01µF	10%	200V
	719	1-215-888-00	METAL OXIDE	220	5%	2W						
R7	720	1-249-421-11	CARBON	2.2K	5%	1/4W	C906	1-130-471-00	MYLAR	0.001µF	5%	50V
							C907	1-107-963-11	ELECT	33µF	20%	160V
	721	1-249-421-11	CARBON	2.2K	5%	1/4W	C908	1-126-935-11	ELECT	470μF	20%	16V
	722	1-247-807-31	CARBON	100	5%	1/4W	C909	1-104-999-11	MYLAR	0.1µF	10%	200V
	723	1-247-807-31	CARBON	100	5%	1/4W	C910	1-104-999-11	MYLAR	0.1µF	10%	200V
R7	724	1-247-807-31	CARBON	100	5%	1/4W				• • • • •	,.	
							C911	1-126-933-11	ELECT	100µF	20%	16V
		VARIABLE RESI	STOR				C912	1-126-933-11	ELECT	100µF	20%	16V
E.	1704	4 044 050 44	DEC AD LATERAL EVAL	44084			C913	1-102-074-00	CERAMIC	0.001µF	10%	50V
K۱	/701	1-241-656-11	RES,ADJ, METAL,FILM	TUN			C914	1-130-491-00	MYLAR	0.047µF	5%	50V
							C930	1-126-935-11	ELECT	470µF	20%	6.3V
							C931	1-126-935-11	ELECT	470µF	20%	6.3V
										Jp.	_0/0	····



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALU	IES	
	CONNECTOR			Q907	8-729-120-28	TRANSISTOR 2SC24	12K-T-146-0	QR	
CNI004	1 764 222 11		10D	Q908	8-729-424-02	TRANSISTOR 2SB70	9A-QRS-TX		
CN901	1-764-333-11	PLUG, CONNECTOR	10P		DECICTOR				
CN902	1-770-723-11	CONNECTOR, BOARD	TO BOARD 8P		RESISTOR				
	DIODE			R809	1-216-832-11	RES-CHIP	8.2K	5%	1/10W
	DIODE			R811	1-249-393-11	CARBON	10	5%	1/4W
D804	8-719-302-43	DIODE RGP10GPKG23		R814	1-215-862-11	METAL OXIDE	68	5%	1W
D805	8-719-991-33	DIODE 1SS133T-77			(KV-32FV300/36	FV300 ONLY)			
D806	8-719-991-33	DIODE 1SS133T-77		R815	1-215-862-11	METAL OXIDE	68	5%	1W
D807	8-719-210-21	DIODE ERA82-004TP5		R817	1-218-734-11	METAL CHIP	56K	0.50%	1/16V
D808	8-719-991-33	DIODE 1SS133T-77							
				R818	1-216-809-11	RES-CHIP	100	5%	1/10V
				R819	1-216-841-11	RES-CHIP	47K	5%	1/10V
D813	8-719-991-33	DIODE 1SS133T-77		R820	1-216-837-11	RES-CHIP	22K	5%	1/10V
D901	8-719-924-11	DIODE MTZJ-T-77-22		R821	1-218-728-11	METAL CHIP	33K	0.50%	1/16V
D902	8-719-924-11	DIODE MTZJ-T-77-22		R822	1-216-841-11	RES-CHIP	47K	5%	1/10V
D903	8-719-991-33	DIODE 1SS133T-77							
D905	8-719-510-02	DIODE D1NS4-TR		R824	1-218-740-11	METAL CHIP	100K	0.50%	1/16V
				R825	1-216-845-11	RES-CHIP	100K	5%	1/10V
D906	8-719-404-50	DIODE MA111-TX		R826	1-249-421-11	CARBON	2.2K	5%	1/4W
D907	8-719-404-50	DIODE MA111-TX		R827	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16
D908	8-719-404-50	DIODE MA111-TX		R828	1-218-728-11	METAL CHIP	33K	0.50%	1/16V
	<u>IC</u>			R829	1-216-797-11	RES-CHIP	10	5%	1/10\
	<u>10</u>			R833	1-216-830-11	RES-CHIP	5.6K	5%	1/10
IC801	6-701-598-01	IC UPC5023CS-184		R834	1-216-830-11	RES-CHIP	5.6K	5%	1/10V
				R840	1-218-736-11	METAL CHIP	68K	0.50%	1/16V
	CHIP CONDUCT	<u>ror</u>		R841	1-216-826-11	RES-CHIP	2.7K	5%	1/10V
JR802	1-216-864-11	SHORT		R842	1-216-825-11	RES-CHIP	2.2K	5%	1/10V
				R855	1-216-835-11	RES-CHIP	15K	5%	1/100
	COIL			R856	1-216-827-11	RES-CHIP	3.3K	5%	1/10V
1.004	4 400 000 04	INDUCTOR	40141	R857	1-218-728-11	METAL CHIP	33K	0.50%	1/16V
L801	1-406-989-21	INDUCTOR	10MH	R860	1-216-833-11	RES-CHIP	10K	5%	1/10V
L802	1-459-111-00	INDUCTOR	10MH						
L803 L901	1-412-529-81 1-412-528-11	INDUCTOR INDUCTOR	22μH 18μH	R864	1-218-668-11	METAL CHIP	100	0.50%	
L901	1-412-320-11	INDUCTOR	ιομπ	R866	1-249-438-11	CARBON	56K	5%	1/4W
				R870	1-216-825-11	RES-CHIP	2.2K	5%	1/10V
	TRANSISTOR			R876	1-216-821-11	RES-CHIP	1K	5%	1/10V
Q805	6-550-106-01	TRANSISTOR KTB764		R890	1-218-867-11	RES-CHIP	6.8K	5%	1/10V
Q807	8-729-931-45	TRANSISTOR IRF614							
Q808	6-550-106-01	TRANSISTOR KTB764		R893	1-216-839-11	RES-CHIP	33K	5%	1/10V
Q812	8-729-026-39	TRANSISTOR 2SA933A	AS-QRT	<u> </u>	1-249-405-11	CARBON	100	5%	1/4W
Q901	8-729-045-04	TRANSISTOR 2SC5511		<u> </u>	1-249-385-11	CARBON	2.2	5%	1/4W
		3.2.22000		⚠ R903	1-249-414-11	CARBON	560	5%	1/4W
Q902	8-729-045-05	TRANSISTOR 2SA2005	;	R904	1-249-432-11	CARBON	18K	5%	1/4W
Q903	8-729-422-27	TRANSISTOR 2SD601A							
Q904	8-729-422-27	TRANSISTOR 2SD601		R905	1-249-421-11	CARBON	2.2K	5%	1/4W
Q905	8-729-424-02	TRANSISTOR 2SB709A		R906	1-249-432-11	CARBON	18K	5%	1/4W
Q906	8-729-120-28	TRANSISTOR 2SC2412		<u> </u>	1-249-385-11	CARBON	2.2	5%	1/4W
				⚠ R908	1-249-414-11	CARBON	560	5%	1/4W
				R909	1-260-316-51	CARBON	100	5%	1/2W



	REF. NO.	PART NO.	DESCRIPTION	VALUES	3		REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
	R910	1-215-915-11	METAL OXIDE	470	5%	3W	C617	1-123-024-21	ELECT	33µF		160V
	R911	1-249-411-11	CARBON	330	5%	1/4W	C618	1-126-943-11	ELECT	2200µF	20%	25V
	R912	1-249-407-11	CARBON	150	5%	1/4W	C620	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	R913	1-249-399-11	CARBON	33	5%	1/4W	C621	1-117-894-11	ELECT	560µF	20%	250V
	R914	1-249-416-11	CARBON	820	5%	1/4W	C624	1-107-636-11	ELECT	10µF	20%	160V
			0, 11, 12, 01, 1	0_0	0,0		""					
	R915	1-249-425-11	CARBON	4.7K	5%	1/4W	C629	1-117-894-11	ELECT	560µF	20%	250V
	R917	1-249-425-11	CARBON	4.7K	5%	1/4W	C632	1-126-947-11	ELECT	47μF	20%	25V
	R918	1-249-401-11	CARBON	47	5%	1/4W	C633	1-136-479-11	FILM	0.001µF	2%	50V
	R919	1-249-401-11	CARBON	47	5%	1/4W	C634	1-126-964-11	ELECT	10μF	20%	50V
	R921	1-249-429-11	CARBON	10K	5%	1/4W	C635	1-126-963-11	ELECT	4.7µF	20%	50V
	R922	1-249-397-11	CARBON	22	5%	1/4W	C637	1-136-165-00	FILM	0.1µF	5%	50V
	R923	1-249-401-11	CARBON	47	5%	1/4W	C638	1-104-665-11	ELECT	100µF	20%	25V
	R930	1-216-864-11	SHORT				C640	1-126-942-61	ELECT	1000µF	20%	25V
							C642	1-126-969-11	ELECT	220µF	20%	50V
	R931	1-249-421-11	CARBON	2.2K	5%	1/4W	C643	1-136-165-00	FILM	0.1µF	5%	50V
	R932	1-218-696-11	METAL CHIP	1.5K	0.50%	1/16W						
	R933	1-216-864-11	SHORT				C645	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
<u> </u>	R935	1-249-405-11	CARBON	100	5%	1/4W	C647	1-126-947-11	ELECT	47µF	20%	25V
	R938	1-216-864-11	SHORT				C648	1-104-330-91	CERAMIC	470pF	10%	1KV
							C649	1-104-330-91	CERAMIC	470pF	10%	1KV
							C650	1-128-550-11	ELECT	2200µF	20%	50V
	iK						C651	1-126-942-61	ELECT	1000µF	20%	25V
							C652	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
							C653	1-126-960-11	ELECT	1μF	20%	50V
	*		GK (VAR) BOARD, N				C656	1-161-964-91	CERAMIC	0.0047µF		250V
	*	•	FV300(N)/32FV300 O				C658	1-161-964-91	CERAMIC	0.0047µF		250V
			GK (VAR) BOARD, N	IOUNTED							222/	
	*	(KV-36FV300 Of	•	MOUNTED			C665	1-126-942-61	ELECT	1000µF	20%	25V
		A-1400-608-A (KV-29FV300(S)	, , ,	IOUNTED			C667	1-164-625-11	CERAMIC	680pF	10%	500V
		(114-231 4300(3)	ONLI)				C668	1-164-625-11	CERAMIC	680pF	10%	500V
		1-533-223-11	HOLDER, FUSE				C669	1-164-625-11	CERAMIC	680pF	10%	500V
	*	4-374-846-11	COVER, CAPACITOR, C	ΔΡ ΤΥΡΕ			C670	1-164-625-11	CERAMIC	680pF	10%	500V
		4-382-854-11	SCREW (M3X10), P, SW				0070	4 405 040 04	ГИМ	47000 -	20/	0001
		4-382-854-11	SCREW (M3X10), P, SW	. ,			C672	1-135-946-21	FILM	47000pF	3%	800V
		1 302 00 1 -11	JOINE VY (1410/110), 1, 0VI	(')			C690	1-126-971-11	ELECT OF PAMIC CHIP	470µF	20%	50V
		CAPACITOR					C1401	1-137-652-91	CERAMIC CHIP	39000pF	10%	16V
	CE01	1 165 500 11	MVLAD	0.22	100/	275\/	C1402	1-164-172-11	CERAMIC CHIP	0.0056µF		25V
	C501	1-165-529-11	MYLAR	0.22µF	10%	275V	C1403	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	C600	1-117-703-11	CERAMIC	0.0047µF	20%	250V	01404	4 400 007 44	CEDAMIC CUID	400×F	E0/	F0\/
\triangle	C601	(KV-29FV300(S) O 1-165-529-11	MYLAR	U 33HE	10%	275V	C1404	1-162-927-11	CERAMIC CHIP	100pF	5% 20%	50V
	C603			0.22µF			C1405	1-126-947-11	ELECT CERAMIC CHIR	47µF	20%	25V
\	0003	1-165-529-11	MYLAR	0.22µF	10%	275V	C1406	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
							C1407	1-126-965-91	ELECT	22µF	20%	50V
	C604	1-164-625-11	CERAMIC	680pF	10%	500V	C1408	1-126-768-11	ELECT	2200µF	20%	16V
<u>/</u> !\	C607	1-119-912-51	CERAMIC	1000pF	20%	250V	C1413	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
$\overline{\mathbb{A}}$	C608	1-119-912-51	CERAMIC	1000pF	20%	250V	C1413	1-135-572-51	ELECT	0.22μι 1000μF	20%	50V
<u></u>	C609	1-119-912-31	CERAMIC	680pF	10%	500V	C1450	1-113-619-11	CERAMIC CHIP	0.47μF	∠∪ /0	10V
	C616	1-126-943-11	ELECT	2200µF	20%	25V	C1457	1-115-891-11	CERAMIC CHIP	0.47μF	10%	10V
	3010	. 120 0 10 11		-200µ1	20/0	_0 *	I 01707	1 120 001-11	OLIV WIIO OI III	υ. τι μι	10/0	10 4



REF. NO.	PART NO.	DESCRIPTION	VALUE	S			REF. NO.	PART NO.	DESCRIPTION	VALUES
C1458	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V			<u>FUSE</u>		
C1461	1-113-619-11	CERAMIC CHIP	0.47µF		10V		====		==	0.04440=14
C1462	1-113-619-11	CERAMIC CHIP	0.47µF		10V	<u> </u>	F601	1-576-193-11	FUSE	6.3A/125V
C1463	1-126-968-11	ELECT	100µF	20%	50V	Α.		*	FV300(N)/32FV300/36FV	,
						<u> </u>	F601	1-532-506-51	FUSE	6.3A/250V
	CONNECTOR							(KV-29FV300(S)	ONLY)	
CN503	1-573-963-11	PIN,CONNECTOR (PO	,	3P				FERRITE BEAD		
CN600	1-580-843-11	PIN, CONNECTOR (PO	OWER)					FERRITE BEAD		
CN602	1-564-510-11	PLUG,CONNECTOR		7P			FB602	1-410-397-21	FERRITE	1.1µH
CN603	1-695-915-11	TAB (CONTACT)					FB604	1-410-397-21	FERRITE	1.1µH
CN604	1-695-915-11	TAB (CONTACT)					FB605	1-410-397-21	FERRITE	1.1µH
	(KV-27FV300/29	FV300(N)/32FV300/36FV	300 ONLY)				FB609	1-410-397-21	FERRITE	1.1µH
							FB610	1-410-397-21	FERRITE	1.1µH
CN605	1-564-506-11	PLUG,CONNECTOR		3P				, <u>-</u> .	··-	r '
CN1401	1-564-507-11	PLUG, CONNECTOR		4P			FB611	1-410-397-21	FERRITE	1.1µH
CN1402	1-564-505-11	PLUG, CONNECTOR		2P			FB612	1-410-397-21	FERRITE	1.1µH
CN1405	1-564-506-11	PLUG, CONNECTOR		3P			FB614	1-410-397-21	FERRITE	1.1µH
CN1601	1-564-509-11	PLUG, CONNECTOR		6P			FB616	1-410-397-21	FERRITE	1.1µH
		, := 5.51			•		FB617	1-410-397-21	FERRITE	1.1µH
	DIODE						ווטםו	1- 1 10-031-41	ILIMITE	ι. ιμιι
D501	8-719-404-50	DIODE MA111-TX						<u>IC</u>		
D600	8-719-510-53	DIODE MATTI-TX DIODE D4SB60L-F					10000		10.110=0015	
							IC600	8-759-670-30	IC MCZ3001D	
D601	8-719-511-40	DIODE S1VB20				Δ	IC601	8-749-012-13	IC DM-58	
D611	8-719-062-40	DIODE D4SBL20µF3				<u> </u>	IC602	1-761-541-11	SELECTION UNIT, RE	ECTIFICATION
D612	8-719-068-00	DIODE ERC04-06SE	200 ONI V					(KV-36FV300 ON	,	
	(NV-21FV300/29	FV300(N)/32FV300/36FV	JUU OINLT)				IC605	8-759-450-47	IC BA05T	
D613	8-719-068-00	DIODE ERC04-06SE					IC609	8-759-653-07	IC PQ09RD21	
	(KV-27FV300/29	FV300(N)/32FV300/36FV	300 ONLY)				IC1405	8-759-573-40	IC TDA8580Q/N1	
D614	8-719-057-52	DIODE EZ0150AV1					IC1406	8-759-100-96	IC NJM4558M-TE2	
D615	8-719-062-40	DIODE D4SBL20µF3								
D618	8-719-979-64	DIODE µF4005PKG23	3					CHIP CONDUCT	TOR	
D620	8-719-404-50	DIODE MA111-TX					JR1	1-216-864-11	SHORT	
D621	6-500-181-01	DIODE MA6D50					JR2	1-216-864-11	SHORT	
D624	8-719-510-12	DIODE D10SC4M					JR3	1-216-864-11	SHORT	
D625	8-719-510-12	DIODE D103C4M DIODE D1NS4-TA2					JR6	1-216-864-11	SHORT	
D628	8-719-310-02 8-719-404-50	DIODE MA111-TX					JR0 JR1400	1-216-864-11	SHORT	
D020	U-1 13-4U4-3U	DIODE MATTI-TX					JI/ 1400	1-210-004-11	JIIUNI	
D629	8-719-110-31	DIODE MTZJ-T-77-12	С				JR1401	1-216-864-11	SHORT	
D631	8-719-063-70	DIODE D1NL20U-TA2	2				JR1404	1-216-864-11	SHORT	
D640	8-719-404-50	DIODE MA111-TX					JR1405	1-216-864-11	SHORT	
D641	8-719-404-50	DIODE MA111-TX					JR1409	1-216-864-11	SHORT	
D645	8-719-063-70	DIODE D1NL20U-TA2	2				JR1411	1-216-864-11	SHORT	
							JR1412	1-216-864-11	SHORT	
D646	8-719-404-50	DIODE MA111-TX						COII		
D647	8-719-063-70	DIODE D1NL20U-TA2	2					COIL		
D690	8-719-982-13	DIODE MTZJ-T-77-27					L505	1-412-529-11	INDUCTOR	22µH
D1401	8-719-929-15	DIODE MTZJ-T-77-9.1	IB				L604	1-412-525-31	INDUCTOR	10µH
							L605	1-412-519-11	INDUCTOR	3.3µH



	REF. NO.	PART NO.	DESCRIPTION	VALUI	S			REF. NO.	PART NO.	DESCRIPTION	VALU	JES	
	L607	1-412-525-31	INDUCTOR	10µH			1	R626	1-218-715-11	METAL CHIP	9.1K	0.50%	1/16W
	L608	1-412-529-11	INDUCTOR	22µH				R627	1-215-481-00	METAL	330K	1%	1/4W
				•				R628	1-260-131-11	CARBON	470K	5%	1/2W
		PHOTO COUPL	FR						(KV-29FV300(S)				
		FIIOTO COUFL	<u>LIX</u>					R629	1-215-481-00	METAL	330K	1%	1/4W
<u> </u>	PH602	8-749-924-35	PHOTO COUPLER	ON3171	-R		<u> </u>		1-215-481-00	METAL	330K	1%	1/4W
		<u>IC LINK</u>						R631	1-218-720-11	METAL CHIP	15K		1/16W
	PS601	1-576-337-21	LINK, IC					R632	1-218-668-11	METAL CHIP	100		1/16W
	PS1401	1-576-337-21	LINK, IC				<u> </u>		1-249-417-11	CARBON	1K	5%	1/4W
	F31401	1-070-007-21	LINK, IC				^	R647	1-218-667-11	METAL CHIP	91		1/16W
		TRANSISTOR					<u> </u>	R658	1-249-393-11	CARBON	10	5%	1/4W
							<u> </u>	R659	1-249-393-11	CARBON	10	5%	1/4W
	Q509	8-729-423-33	TRANSISTOR 2SC33					R660	1-216-833-11	RES-CHIP	10K	5%	1/10W
	Q600	8-729-052-32	TRANSISTOR IRFIB7					R667	1-216-833-11	RES-CHIP	10K	5%	1/10W
	Q601	8-729-052-32	TRANSISTOR IRFIB7				<u> </u>		1-249-413-11	CARBON	470	5%	1/4W
	Q605	8-729-140-96	TRANSISTOR 2SD77	'4-T-34			Z:\	R670	1-216-833-11	RES-CHIP	10K	5%	1/10W
							1	11070	1-2 10-000-11	INLO-OHIIF	IUN	J /0	1/ 1000
	Q606	8-729-422-27	TRANSISTOR 2SD60					R671	1-243-979-71	METAL OXIDE	0.1	5%	2W
	Q608	8-729-922-37	TRANSISTOR 2SD21		V			R672	1-243-979-71	METAL OXIDE	0.1	5%	2W
	Q690	8-729-424-02	TRANSISTOR 2SB70					R687	1-205-998-11	CEMENTED	1	5%	10W
	Q691	8-729-424-02	TRANSISTOR 2SB70					R688	1-205-998-11	CEMENTED	1	5%	10W
	Q1401	8-729-424-02	TRANSISTOR 2SB70	9A-QRS-TX				R691	1-216-837-11	RES-CHIP	22K	5%	1/10W
												-,,	
		RESISTOR						R692	1-216-837-11	RES-CHIP	22K	5%	1/10W
	R534	1-216-833-11	RES-CHIP	10K	5%	1/10W		R694	1-216-837-11	RES-CHIP	22K	5%	1/10W
	R535	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		R698	1-249-377-11	CARBON	0.47	5%	1/4W
<u></u>	R603	1-219-513-11	CARBON	4.7M	5%	1/2W	<u> </u>	R699	1-218-265-11	METAL	8.2M	5%	1W
		(KV-27FV300/29	FV300(N)/32FV300/36FV	/300 ONLY)					(KV-29FV300(S)	,			
	R604	1-216-833-11	RES-CHIP	10K	5%	1/10W		R1401	1-216-837-11	RES-CHIP	22K	5%	1/10W
	R606	1-216-833-11	RES-CHIP	10K	5%	1/10W							
								R1402	1-216-837-11	RES-CHIP	22K	5%	1/10W
	R607	1-216-833-11	RES-CHIP	10K	5%	1/10W		R1403	1-216-833-11	RES-CHIP	10K	5%	1/10W
	R608	1-216-833-11	RES-CHIP	10K	5%	1/10W		R1404	1-216-840-11	RES-CHIP	39K	5%	1/10W
	R609	1-205-998-11	CEMENTED	1	5%	10W		R1405	1-216-840-11	RES-CHIP	39K	5%	1/10W
	R610	1-216-833-11	RES-CHIP	10K	5%	1/10W		R1406	1-216-840-11	RES-CHIP	39K	5%	1/10W
	R611	1-216-833-11	RES-CHIP	10K	5%	1/10W							
								R1407	1-216-817-11	RES-CHIP	470	5%	1/10W
	R612	1-260-131-11	CARBON	470K	5%	1/2W		R1408	1-216-817-11	RES-CHIP	470	5%	1/10W
		(KV-29FV300(S)	ONLY)					R1409	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
	R613	1-216-833-11	RES-CHIP	10K	5%	1/10W		R1410	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
	R614	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		R1411	1-216-821-11	RES-CHIP	1K	5%	1/10W
	R615	1-202-933-61	FUSIBLE	0.1	10%	1/2W							
	R616	1-216-822-11	RES-CHIP	1.2K	5%	1/10W		R1412	1-218-684-11	METAL CHIP	470		1/16W
								R1413	1-216-789-11	RES-CHIP	2.2	5%	1/10W
								R1414	1-216-809-11	RES-CHIP	100	5%	1/10W
	R617	1-216-821-11	RES-CHIP	1K	5%	1/10W		R1415	1-216-837-11	RES-CHIP	22K	5%	1/10W
	R618	1-216-864-11	SHORT					R1416	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
<u></u>	R619	1-249-377-11	CARBON	0.47	5%	1/4W	1						
	R620	1-215-857-71	METAL OXIDE	10	5%	1W		R1457	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W
	R625	1-216-817-11	RES-CHIP	470	5%	1/10W		R1458	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W
					•		•						

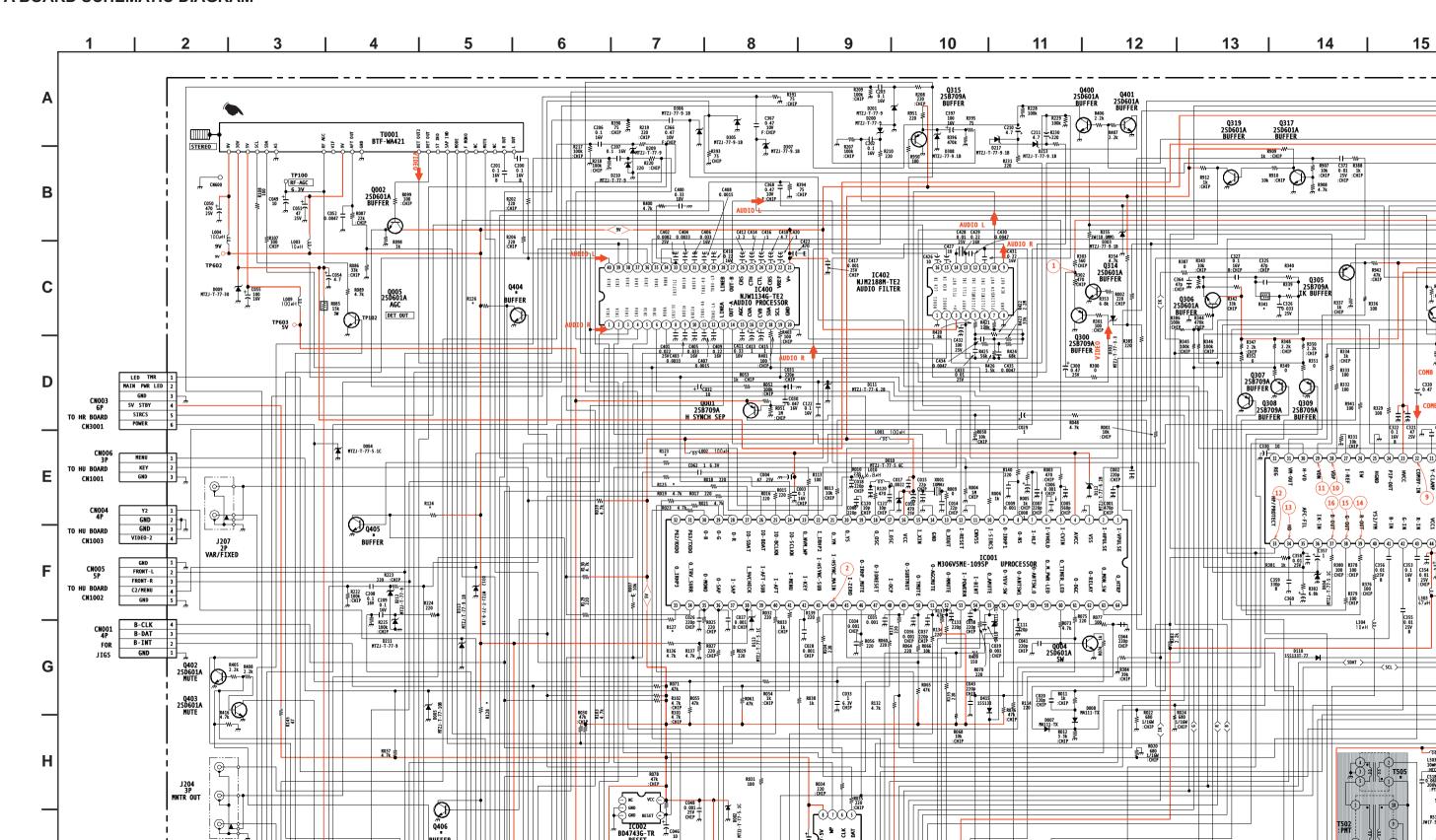
NOTE: Les composants identifies per un trame et une marque sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

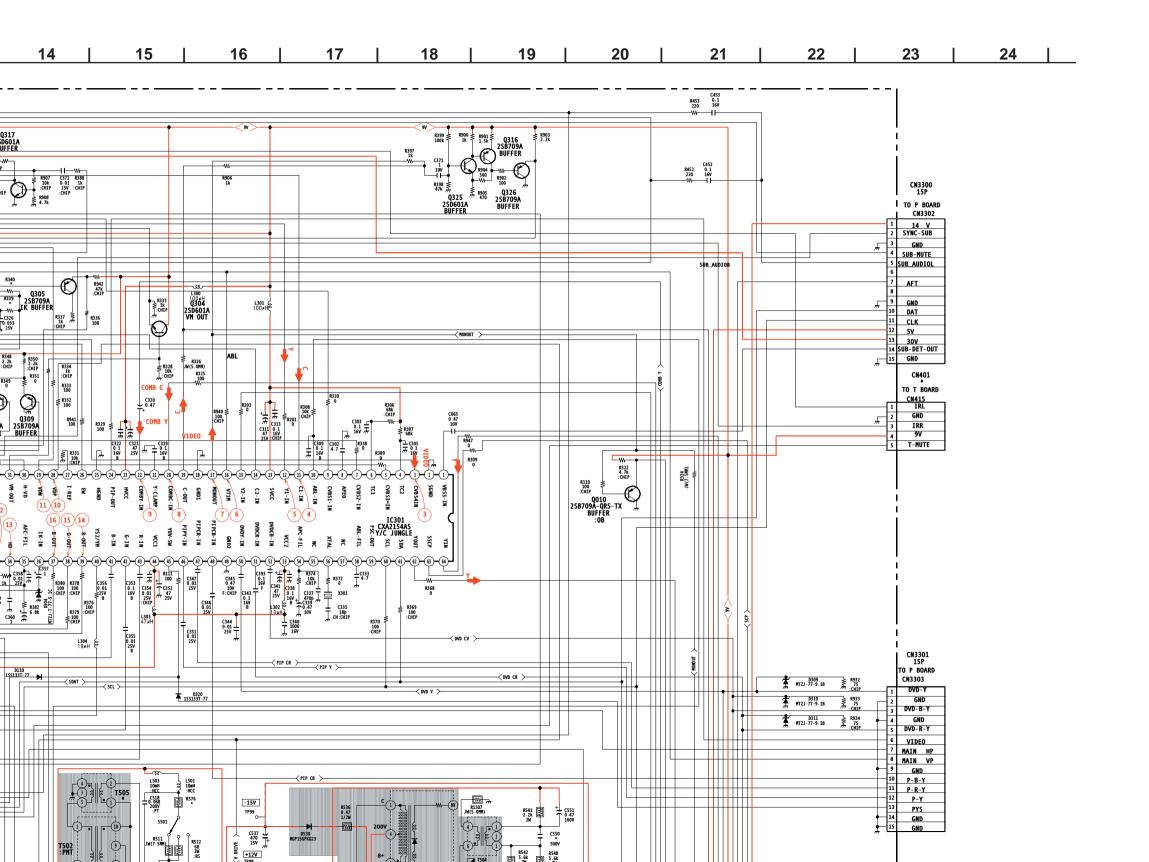


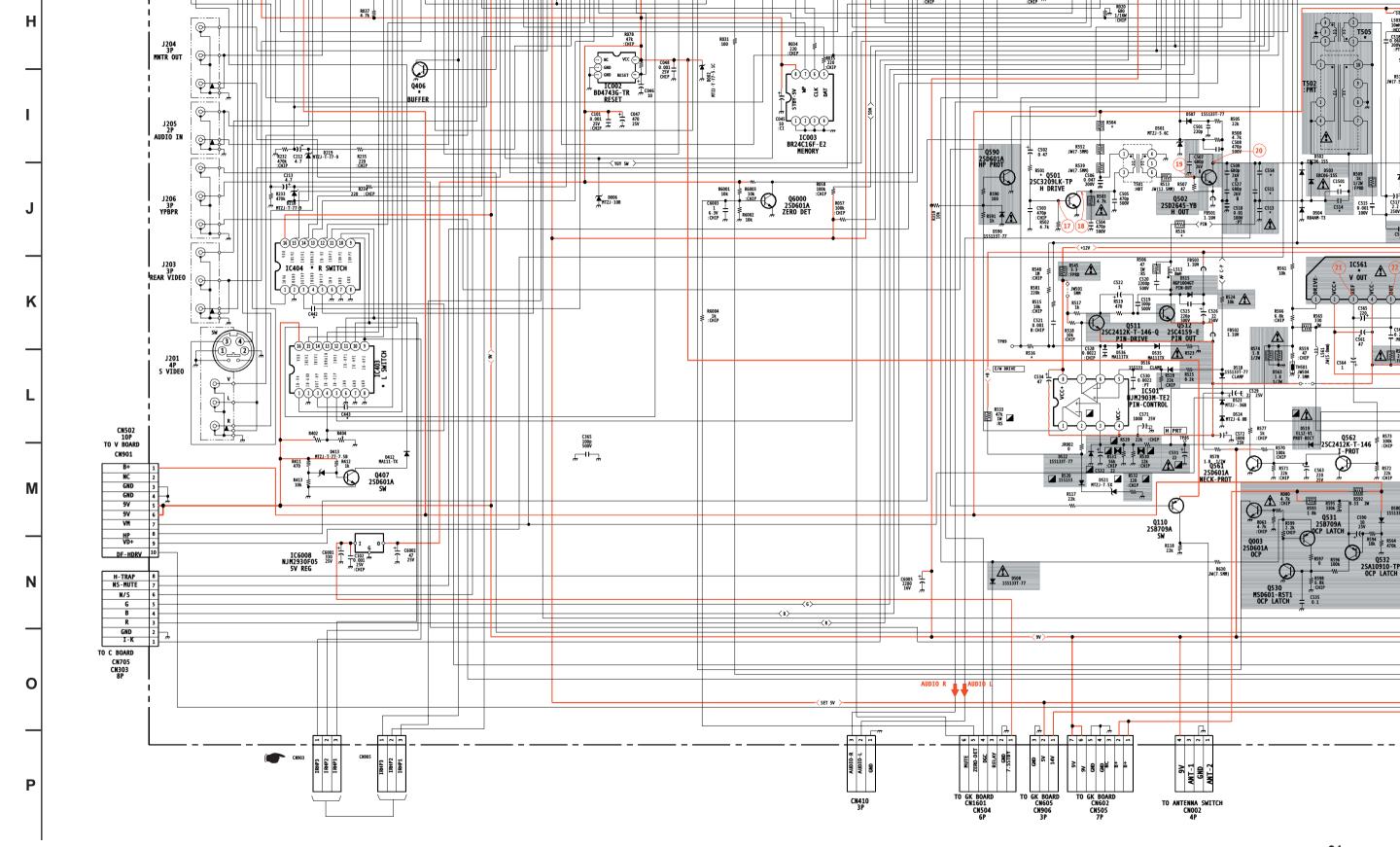
	REF. NO.	PART NO.	DESCRIPTION	VALUE	S		R	EF. NO.	PART NO.	DESCRIPTION VA	ALUES
	R1461 R1462 R1481 R1482 R1487	1-218-716-11 1-218-716-11 1-216-833-11 1-216-829-11 1-216-864-11	METAL CHIP METAL CHIP RES-CHIP RES-CHIP SHORT	10K 10K 10K 4.7K		1/16W 1/16W 1/10W 1/10W	*		4-086-349-01 4-087-224-01	CARTON, HSC (KV-36FV300 ONLY) CARTON, INDIVIDUAL (KV-27FV300/29FV300 ONLY)	
		RELAY					*		4-085-911-01	CUSHION, FRONT (UPPER) (KV-32FV300 ONLY)	
	RY501 RY600	1-755-198-11 1-755-395-11	RELAY RELAY (AC POWER)				*		4-805-912-01	CUSHION, REAR (UPPER) (KV-32FV300 ONLY)	
<u> </u>	K1000		RELAT (AC POWER)				*		4-805-913-01	CUSHION, LOWER (KV-32FV300 ONLY)	
<u>^</u>	T601	TRANSFORMER 1-435-617-11	TRANSFORMER, LINE				*		4-086-352-01	CUSHION, FRONT (UPPER) (KV-36FV300 ONLY)	
<u></u>	T603	`	TRANSFORMER, STAN V300(N)/32FV300/36FV3	00 ONLY)			*		4-086-353-01	CUSHION, REAR (UPPER) (KV-36FV300 ONLY)	
<u></u>	T603	1-437-784-11 (KV-29FV300(S) C	TRANSFORMER, STAN DNLY)	ND BA			*		4-086-354-01	CUSHION, LOWER (KV-36FV300 ONLY)	
<u>^</u>	T604 T605	1-437-607-11 1-437-785-11 (KV-36FV300 ONL	POWER ISOLATION TE TRANSFORMER ASSY				*		4-087-222-01	CUSHION, UPPER (KV-27FV300/29FV300 ONLY)	
		THERMISTOR	-1)				*		4-087-223-01	CUSHION, LOWER (KV-27FV300/29FV300 ONLY)	
	THP501 THP501 THP501	1-803-540-11 (KV-29FV300(S) C 1-803-629-11 (KV-36FV300 ONL 1-804-313-11 (KV-27FV300/29F	THERMISTOR, POSITI	VE VE					4-086-346-21 4-086-346-31 (KV-27FV300(CN 4-086-346-41	MANUAL, INSTRUCTION (KV-27FV300/32FV300/36FV3/ MANUAL, INSTRUCTION D)/32FV300(CND)/36FV300(CNE MANUAL, INSTRUCTION (KV-29FV300 ONLY)	,
		VARISTOR							4-041-255-01	BAG, PROTECTION	
	VDR600		VARISTOR ENE271D-1 V300(N)/32FV300/36FV3	00 ONLY)					4-066-845-02	(KV-27FV300/29FV300 ONLY) BAG, PROTECTION	
	VDR600	1-803-967-11 (KV-29FV300(S) C	VARISTOR ENE621D-1 DNLY)	4A			*		4-087-598-01	(KV-32FV300 ONLY) BAG, PROTECTION (KV-36FV300 ONLY)	
	1 U	A-1400-607-A (KV-32FV300/36F	HD BOARD, MOUN	TED					8-953-742-90	HEADPHONE MDR-IF0230//k (KV-32FV300/36FV300 ONLY)	
		ACCESSORIES A	•						REMOTE COMM	ANDER	
		ACCESSIONES A							1-476-668-11	REMOTE COMMANDER (RM- (KV-32FV300/36FV300 ONLY)	,
	*	4-041-423-01	SHEET, PROTECTION (KV-36FV300 ONLY)						1-476-681-11	REMOTE COMMANDER (RM- (KV-27FV300/29FV300)	•
		4-085-910-01	CARTON, INDIVIDUAL (KV-32FV300 ONLY)			ı			4-978-977-11	BATTERY COVER (KV-RM-Y1	81/RM-Y182)

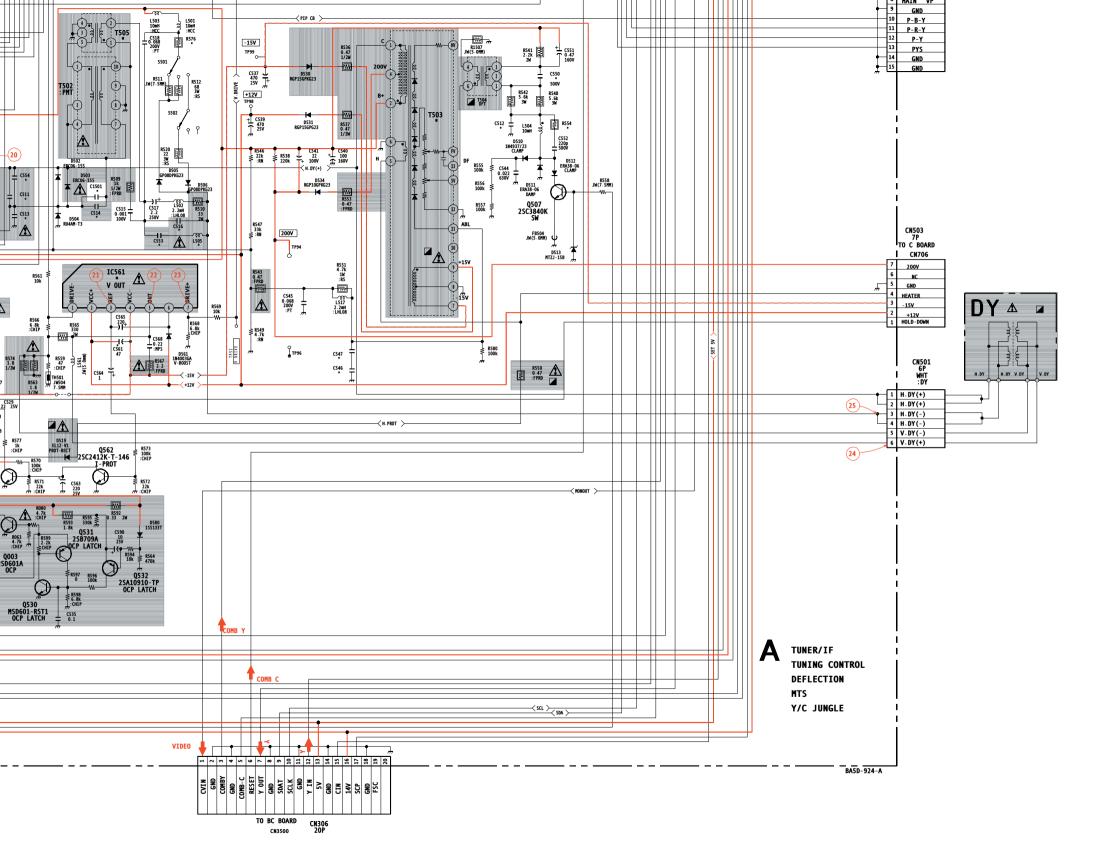
Sony Corporation
Sony Technology Center
Technical Services
Service Promotion Department

English 2002CJ74059-1 Printed in USA © 2002.3









PRINTING THE SERVICE MANUAL

The PDF of this service manual is not designed to be printed from cover to cover. The pages vary in size, and must therefore be printed in sections based on page dimensions.

NON-SCHEMATIC PAGES

Data that does NOT INCLUDE schematic diagrams are formatted to 8.5 x 11 inches and can be printed on standard letter-size and/or A4-sized paper.

SCHEMATIC DIAGRAMS

The schematic diagram pages are provided in two ways, full size and tiled. The full-sized schematic diagrams are formatted on paper sizes between 8.5" x 11" and 18" x 30" depending upon each individual diagram size. Those diagrams that are LARGER than 11" x 17" in full-size mode have been tiled for your convience and can be printed on standard 11" x 17" (tabloid-size) paper, and reassembled.

TO PRINT FULL SIZE SCHEMATIC DIAGRAMS.

If you have access to a large paper plotter or printer capable of outputting the full-sized diagrams, output as follows:

- 1) Note the page size(s) of the schematics you want to output as indicated in the middle window at the bottom of the viewing screen.
- 2) Go to the File menu and select Print Set-up. Choose the printer name and driver for your large format printer. Confirm that the printer settings are set to output the indicated page size or larger.
- 3) Close the Print Set Up screen and return to the File menu. Select "Print..." Input the page number of the schematic(s) you want to print in the print range window. Choose OK.

TO PRINT TILED VERSION OF SCHEMATICS -

Schematic pages that are larger than 11" x 17" full-size are provided in a 11" x 17" printable tiled format near the end of the document. These can be printed to tabloid-sized paper and assembled to full-size for easy viewing.

If you have access to a printer capable of outputting the tabloid size (11" x 17") paper, then output the tiled version of the diagram as follows:

- 1) Note the page number(s) of the schematics you want to output as indicated in the middle window at the bottom of the viewing screen.
- 2) Go to the File menu and select Print Set-up. Choose the printer name and driver for your printer. Confirm that the plotter settings are set to output 11" x 17", or tabloid size paper in landscape () mode.
- 3) Close the Print Set Up screen and return to the File menu. Select "Print..." Input the page number of the schematic(s) you want to print in the print range window. Choose OK.

TO PRINT SPECIFIC SECTIONS OF A SCHEMATIC_

To print just a particular section of a PDF, rather than a full page, access the Graphics Select tool in the Acrobat Reader tool bar.

- 1) To view the Graphics Select Tool, press and HOLD the mouse button over the Text Select Tool which looks like: This tool will expand to reveal to additional tools.

 Choose the Graphics Select tool by placing the cursor over the button on of the far right that looks like:
- 2) After selecting the Graphics Select Tool, place your cursor in the document window and the cursor will change to a plus (+) symbol. Click and drag the cursor over the area you want to print. When you release the mouse button, a marquee (or dotted lined box) will be displayed outlining the area you selected.
- 3) With the marquee in place, go to the file menu and select the "Print..." option. When the print window appears, choose the option under the section called "Print Range" which says "Selected Graphic".

Select OK and the output will print only the area that you outlined with the marguee.

ON-SCREEN SEARCH OPTION

All of the text within the service manual PDF is content searchable. This means that you can enter any text, word, phrase or reference number that appears in the manual, and the PDF software will search, find and move the cursor to the location where you requested text first appears. This feature can be particularly useful in locating components on a specific schematic or printed wire circuit board (PWB) diagrams.

Follow these steps to effectively locate a component on a schematic diagram:

- 1) Locate the schematic you want to search by clicking on the corresponding bookmark on the left side of the screen. The view on the right of the screen will then jump to the desired schematic page.
- 2) Magnify the diagram to at least 400% before conducting a component search. This will enable you to easily view the reference number when it is highlighted on screen. To do this, click on the magnifying glass button on the tool bar at the top of the screen. Move the cursor over the diagram and RIGHT click you mouse. Select the 400% magnification option on the pop-up menu. Click on the button with the icon of the open hand to deactivate the magnification tool
- 3) Search the diagram (or the entire manual) by clicking on the binocular button tool at the top of the screen. The "Find" window will appear and allow you to type in your desired text. Type in a reference designator, such as R502, and click on the "Find" button. If the component is not on the diagram, but is listed anywhere else in the manual, the cursor will jump to the first location the text is found in the file. To find another instance of that same text, click on the binocular button again and select "Find Again."